

# Kuipers & Associates

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**Kuipers & Associates, LLC**

Date: October 25, 2010

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring  
Opportunity and Warm Springs Sites  
September 2010 Monthly Report**

This September 2010 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from September 1<sup>st</sup> through September 30<sup>th</sup>, with 99.6% availability for TSP at the Opportunity location and 99.9% availability for PM10 at the Warm Springs location.
  - Downtime at the Opportunity location occurred on September 3 at 15:00 MST and on September 15 at 14:00 MST for routine maintenance. Additionally, the sampler failed to record hourly data for September 1 at 09:00 MST.
  - Downtime at the Warm Springs location occurred on September 15 at 16:00 MST for routine maintenance.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at: [http://anacondadeerlodge.mt.gov/super/info.aspx#q\\_reports](http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports).
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 23  $\mu\text{g}/\text{m}^3$ , and the average monthly concentration was 11  $\mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was 122  $\mu\text{g}/\text{m}^3$ . This value was associated

with strong southwest winds, indicating that the Lower Waste Management Area (LWMA) was not a contributing source. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.

- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was  $11 \mu\text{g}/\text{m}^3$ , and the average monthly concentration was  $6 \mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was  $110 \mu\text{g}/\text{m}^3$ . This value occurred with light east winds, and was probably not associated with the LWMA. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

**Table 1**  
**Opportunity Site TSP Maximum Data, September 2010**

Maximum	TSP ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	23	9/30/2010	3.4	351
Daily 2nd Max	21	9/28/2010	4.8	257
Daily 3rd Max	20	9/19/2010	5.2	238
Daily 4th Max	17	9/29/2010	2.9	314
Hourly 1st Max	122	9/19/2010 19:00	14.8	238
Hourly 2nd Max	87	9/19/2010 20:00	12.5	240
Hourly 3rd Max	75	9/1/2010 22:00	13.0	33
Hourly 4th Max	51	9/7/2010 10:00	5.4	155

**Table 2**  
**Warm Springs Site PM10 Maximum Data, September 2010**

Maximum	PM10 ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	11	9/4/2010	3.0	150
Daily 2nd Max	11	9/30/2010	3.3	4
Daily 3rd Max	9	9/22/2010	1.9	347
Daily 4th Max	9	9/29/2010	2.6	43
Hourly 1st Max	110	9/4/2010 18:00	2.0	84
Hourly 2nd Max	35	9/23/2010 03:00	1.3	295
Hourly 3rd Max	31	9/4/2010 23:00	1.6	167
Hourly 4th Max	31	9/22/2010 11:00	2.7	12

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was  $75 \mu\text{g}/\text{m}^3$ , the 24-hour standard was  $200 \mu\text{g}/\text{m}^3$  and there was no hourly standard. TSP results for September at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.

- At the Warm Springs monitoring site daily average PM10 results for the month of September were well below the 24-hour Montana Ambient Air Quality Standard of 150  $\mu\text{g}/\text{m}^3$ . The average monthly concentration was below the annual PM10 standard of 50  $\mu\text{g}/\text{m}^3$ . There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was above average based on weather records for the Butte airport. The automated rain gauge at Opportunity registered 1.61 inches of precipitation during the month.
- Wind roses are attached to graphically depict prevailing winds.
  - Figure 1 shows the Opportunity location, where the predominant wind directions in September were from the southwest quadrant.
  - Figure 2 shows the Warm Springs location, where winds were mostly from the south and from the north.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

**Dust Event Contacts:**

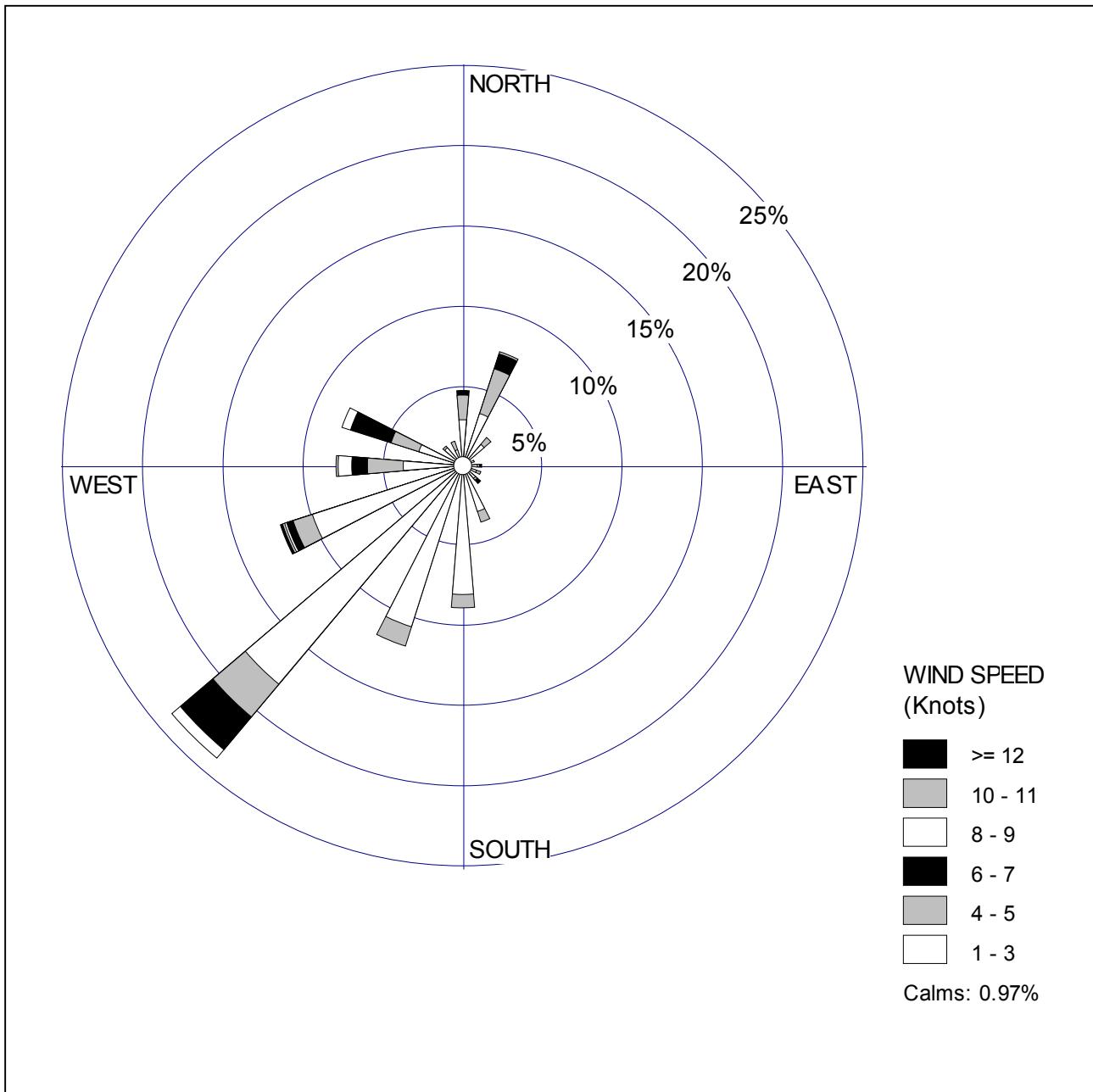
Steve Heck	498-4199
Virginia Loran	563-7476, then 691-0015
Jim Kuipers	782-3441, then 459-0445

**Table 3**  
**Opportunity Site Daily Average Data**

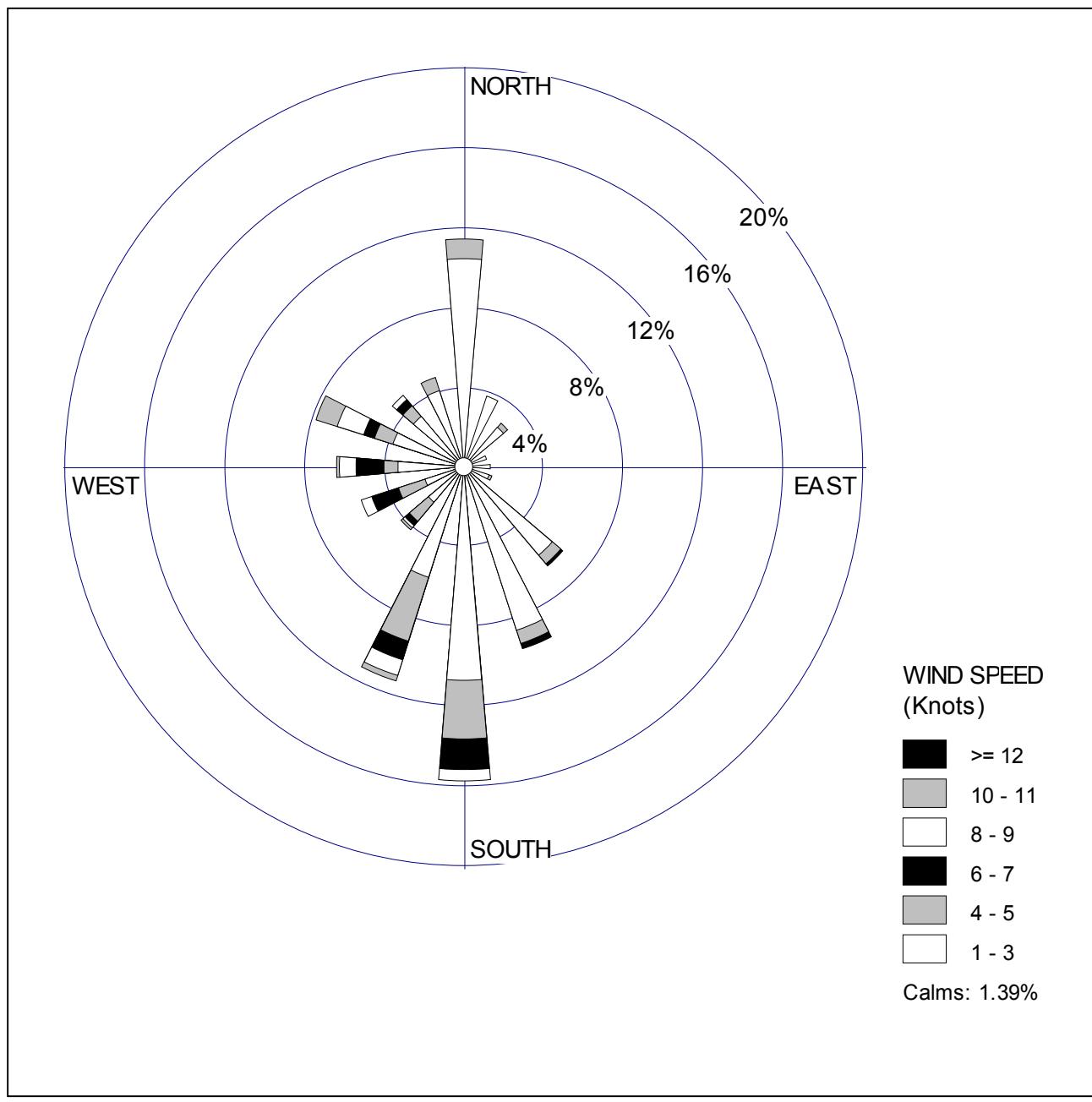
Date	TSP Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)	Precipitation Total (inches)
September 1, 2010	10	3.4	7.7	262	11.4	52.6	58	0.02
September 2, 2010	5	1.2	2.8	140	9.6	49.3	63	0.00
September 3, 2010	12	1.6	3.5	226	14.4	58.0	50	0.00
September 4, 2010	10	1.5	3.3	208	14.3	57.8	59	0.09
September 5, 2010	15	2.5	5.5	277	8.6	47.5	61	0.01
September 6, 2010	7	1.3	2.8	252	7.1	44.7	57	0.00
September 7, 2010	14	1.5	3.3	179	9.5	49.1	52	0.00
September 8, 2010	15	0.9	2.1	260	9.5	49.1	71	0.17
September 9, 2010	3	1.2	2.6	278	7.7	45.8	86	0.86
September 10, 2010	4	1.8	4.1	261	8.5	47.4	65	0.00
September 11, 2010	6	1.9	4.2	218	9.5	49.2	61	0.00
September 12, 2010	8	1.6	3.5	219	12.2	53.9	55	0.00
September 13, 2010	11	1.3	3.0	268	12.5	54.5	59	0.05
September 14, 2010	8	1.4	3.2	222	13.2	55.8	64	0.25
September 15, 2010	6	1.4	3.0	214	12.2	54.0	62	0.00
September 16, 2010	11	1.6	3.6	317	12.7	54.8	64	0.03
September 17, 2010	5	1.4	3.2	8	8.0	46.4	82	0.05
September 18, 2010	6	1.3	2.9	49	10.1	50.1	75	0.01
September 19, 2010	20	2.3	5.2	238	15.4	59.6	55	0.00
September 20, 2010	4	1.5	3.3	250	9.4	48.8	69	0.07
September 21, 2010	6	1.8	3.9	280	9.2	48.6	65	0.00
September 22, 2010	9	1.2	2.6	13	8.1	46.7	75	0.00
September 23, 2010	11	1.4	3.2	254	9.2	48.6	57	0.00
September 24, 2010	13	1.7	3.7	271	10.3	50.6	49	0.00
September 25, 2010	10	1.7	3.8	213	15.7	60.2	45	0.00
September 26, 2010	16	2.3	5.2	227	17.4	63.3	37	0.00
September 27, 2010	16	1.3	2.8	175	15.2	59.3	50	0.00
September 28, 2010	21	2.2	4.8	257	17.9	64.2	41	0.00
September 29, 2010	17	1.3	2.9	314	12.5	54.4	62	0.00
September 30, 2010	23	1.5	3.4	351	13.4	56.1	60	0.00

**Table 4**  
**Warm Springs Site Daily Average Data**

Date	PM10 Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
September 1, 2010	3	2.9	6.4	259	12.0	53.6	59
September 2, 2010	2	1.1	2.5	163	9.9	49.8	64
September 3, 2010	5	1.5	3.5	180	14.7	58.5	52
September 4, 2010	11	1.4	3.0	150	14.5	58.1	62
September 5, 2010	7	2.3	5.2	286	9.3	46.7	63
September 6, 2010	3	1.3	2.9	226	7.2	45.0	61
September 7, 2010	6	1.7	3.8	175	10.6	51.2	51
September 8, 2010	7	1.1	2.4	307	10.1	50.1	71
September 9, 2010	3	0.9	2.1	269	8.4	47.1	88
September 10, 2010	4	2.6	5.8	264	9.4	48.9	65
September 11, 2010	3	2.1	4.7	207	10.6	51.0	60
September 12, 2010	5	1.9	4.2	192	13.1	55.5	56
September 13, 2010	6	1.3	2.9	158	13.1	55.6	59
September 14, 2010	7	1.7	3.8	219	13.8	56.8	67
September 15, 2010	5	1.9	4.3	196	13.1	55.6	63
September 16, 2010	6	1.5	3.3	323	12.8	55.0	67
September 17, 2010	3	1.3	2.9	352	8.7	47.7	80
September 18, 2010	4	1.0	2.1	340	10.3	50.5	75
September 19, 2010	6	2.1	4.6	212	16.0	60.8	56
September 20, 2010	3	1.8	4.0	218	10.7	51.3	67
September 21, 2010	3	1.5	3.3	237	10.1	50.2	65
September 22, 2010	9	0.9	1.9	347	8.6	47.5	75
September 23, 2010	6	1.7	3.8	287	9.4	48.8	60
September 24, 2010	6	1.9	4.3	265	9.9	49.8	55
September 25, 2010	4	2.4	5.3	186	16.1	61.0	46
September 26, 2010	6	2.7	6.0	253	18.4	65.1	36
September 27, 2010	8	1.1	2.5	84	15.2	59.3	53
September 28, 2010	9	2.6	5.7	238	17.7	63.8	43
September 29, 2010	9	1.2	2.6	43	13.2	55.7	63
September 30, 2010	11	1.5	3.3	4	14.6	58.2	58



**Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site September 2010.**



**Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site September 2010.**

**Table 5**  
**Opportunity Site Hourly Average Data**  
**Met One E-BAM**  
**September 2010**

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/1/2010 1:00	8	1.8	4.0	208	10.9	51.6	54	0.00
9/1/2010 2:00	4	2.4	5.4	207	10.6	51.1	56	0.00
9/1/2010 3:00	5	3.2	7.2	223	10.5	50.9	58	0.00
9/1/2010 4:00	7	3.8	8.5	233	10.1	50.2	61	0.00
9/1/2010 5:00	2	3.5	7.8	231	9.7	49.5	64	0.00
9/1/2010 6:00	1	3.9	8.7	230	9.3	48.7	67	0.00
9/1/2010 7:00	0	3.8	8.5	231	9.3	48.7	69	0.00
9/1/2010 8:00	7	4.5	10.1	233	10.0	50.0	67	0.00
9/1/2010 9:00	AN	AN	AN	AN	AN	AN	AN	0.00
9/1/2010 10:00	6	3.1	6.9	235	12.2	54.0	61	0.00
9/1/2010 11:00	-2	2.0	4.5	259	12.8	55.0	58	0.00
9/1/2010 12:00	7	2.3	5.1	265	14.0	57.2	50	0.00
9/1/2010 13:00	22	4.4	9.8	262	15.3	59.5	46	0.00
9/1/2010 14:00	19	4.0	8.9	272	16.5	61.7	42	0.00
9/1/2010 15:00	25	4.6	10.3	278	16.9	62.4	39	0.00
9/1/2010 16:00	0	4.6	10.3	281	15.8	60.4	45	0.00
9/1/2010 17:00	13	4.3	9.6	284	14.8	58.6	45	0.00
9/1/2010 18:00	9	3.9	8.7	291	13.8	56.8	46	0.00
9/1/2010 19:00	2	3.1	6.9	286	11.7	53.1	54	0.00
9/1/2010 20:00	5	1.6	3.6	325	10.4	50.7	56	0.00
9/1/2010 21:00	12	2.5	5.6	9	9.9	49.8	60	0.00
9/1/2010 22:00	75	5.8	13.0	33	6.3	43.3	79	0.01
9/1/2010 23:00	4	3.0	6.7	16	5.9	42.6	82	0.01
9/2/2010 0:00	1	2.6	5.8	210	6.0	42.8	80	0.00
9/2/2010 1:00	15	0.9	2.0	192	5.4	41.7	80	0.00
9/2/2010 2:00	-5	0.8	1.8	242	2.5	36.5	89	0.00
9/2/2010 3:00	4	0.8	1.8	217	1.6	34.9	90	0.00
9/2/2010 4:00	9	0.8	1.8	204	0.3	32.5	91	0.00
9/2/2010 5:00	-2	1.1	2.5	234	0.0	32.0	91	0.00
9/2/2010 6:00	-3	0.6	1.3	215	-1.1	30.0	91	0.00
9/2/2010 7:00	9	0.8	1.8	244	0.2	32.4	89	0.00
9/2/2010 8:00	-3	0.7	1.6	100	4.2	39.6	77	0.00
9/2/2010 9:00	10	1.7	3.8	140	8.9	48.0	65	0.00
9/2/2010 10:00	11	1.6	3.6	157	11.6	52.9	52	0.00
9/2/2010 11:00	-2	2.0	4.5	130	13.6	56.5	40	0.00
9/2/2010 12:00	-5	1.7	3.8	121	15.3	59.5	40	0.00
9/2/2010 13:00	4	1.7	3.8	100	17.0	62.6	35	0.00
9/2/2010 14:00	3	1.3	2.9	112	18.7	65.7	29	0.00
9/2/2010 15:00	-5	1.3	2.9	71	19.9	67.8	26	0.00
9/2/2010 16:00	8	1.4	3.1	79	21.1	70.0	24	0.00
9/2/2010 17:00	7	2.4	5.4	23	20.2	68.4	27	0.00
9/2/2010 18:00	10	2.6	5.8	22	18.4	65.1	34	0.00
9/2/2010 19:00	14	1.1	2.5	326	15.5	59.9	49	0.00
9/2/2010 20:00	13	1.1	2.5	242	10.7	51.3	71	0.00
9/2/2010 21:00	10	0.7	1.6	187	7.9	46.2	79	0.00
9/2/2010 22:00	5	1.0	2.2	244	6.4	43.5	80	0.00
9/2/2010 23:00	14	0.8	1.8	215	6.7	44.1	77	0.00
9/3/2010 0:00	-1	0.8	1.8	229	5.0	41.0	82	0.00
9/3/2010 1:00	1	1.0	2.2	236	3.4	38.1	86	0.00
9/3/2010 2:00	18	1.2	2.7	238	3.9	39.0	80	0.00
9/3/2010 3:00	-3	0.8	1.8	240	3.5	38.3	79	0.00
9/3/2010 4:00	8	1.2	2.7	224	4.1	39.4	74	0.00
9/3/2010 5:00	6	1.2	2.7	227	4.0	39.2	74	0.00
9/3/2010 6:00	-5	1.2	2.7	224	4.4	39.9	71	0.00
9/3/2010 7:00	15	1.4	3.1	224	5.3	41.5	66	0.00
9/3/2010 8:00	1	1.3	2.9	187	8.9	48.0	56	0.00
9/3/2010 9:00	12	1.4	3.1	188	12.8	55.0	46	0.00
9/3/2010 10:00	15	1.6	3.6	190	17.2	63.0	37	0.00
9/3/2010 11:00	23	1.6	3.6	159	20.3	68.5	29	0.00
9/3/2010 12:00	10	1.8	4.0	212	22.9	73.2	24	0.00
9/3/2010 13:00	16	2.2	4.9	216	24.2	75.6	23	0.00
9/3/2010 14:00	8	2.8	6.3	238	25.5	77.9	20	0.00
9/3/2010 15:00	BA	2.0	4.5	207	26.8	80.2	19	0.00
9/3/2010 16:00	15	1.7	3.8	212	27.4	81.3	20	0.00
9/3/2010 17:00	6	2.9	6.5	3	26.4	79.5	22	0.00
9/3/2010 18:00	11	3.3	7.4	16	24.3	75.7	27	0.00
9/3/2010 19:00	11	1.3	2.9	346	21.6	70.9	35	0.00
9/3/2010 20:00	45	1.3	2.9	245	16.2	61.2	51	0.00
9/3/2010 21:00	41	0.9	2.0	186	12.5	54.5	61	0.00
9/3/2010 22:00	16	1.2	2.7	234	11.4	52.5	64	0.00
9/3/2010 23:00	1	1.3	2.9	237	9.8	49.6	69	0.00
9/4/2010 0:00	14	1.0	2.2	223	9.5	49.1	68	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/4/2010 2:00	15	1.3	2.9	214	11.6	52.9	57	0.00
9/4/2010 3:00	4	1.5	3.4	236	11.6	52.9	55	0.00
9/4/2010 4:00	7	1.5	3.4	221	11.7	53.1	55	0.00
9/4/2010 5:00	10	1.7	3.8	194	11.6	52.9	55	0.00
9/4/2010 6:00	-1	1.7	3.8	221	10.5	50.9	59	0.00
9/4/2010 7:00	6	1.2	2.7	224	11.5	52.7	55	0.00
9/4/2010 8:00	7	1.2	2.7	25	12.5	54.5	55	0.00
9/4/2010 9:00	18	0.9	2.0	203	15.5	59.9	45	0.00
9/4/2010 10:00	5	1.0	2.2	181	18.4	65.1	41	0.00
9/4/2010 11:00	14	2.0	4.5	29	21.1	70.0	36	0.00
9/4/2010 12:00	3	2.4	5.4	19	22.8	73.0	34	0.00
9/4/2010 13:00	20	1.8	4.0	47	23.6	74.5	31	0.00
9/4/2010 14:00	16	1.7	3.8	4	20.9	69.6	43	0.00
9/4/2010 15:00	25	2.8	6.3	79	20.1	68.2	46	0.00
9/4/2010 16:00	24	1.8	4.0	149	20.9	69.6	43	0.00
9/4/2010 17:00	42	2.7	6.0	212	16.3	61.3	60	0.07
9/4/2010 18:00	-3	1.6	3.6	227	14.8	58.6	67	0.01
9/4/2010 19:00	26	0.9	2.0	265	13.1	55.6	80	0.00
9/4/2010 20:00	-5	0.9	2.0	215	11.2	52.2	85	0.00
9/4/2010 21:00	11	0.8	1.8	193	10.0	50.0	85	0.00
9/4/2010 22:00	1	1.0	2.2	216	8.3	46.9	88	0.00
9/4/2010 23:00	7	1.1	2.5	225	7.4	45.3	88	0.00
9/5/2010 0:00	0	1.1	2.5	201	7.4	45.3	87	0.01
9/5/2010 1:00	19	1.0	2.2	170	8.9	48.0	86	0.00
9/5/2010 2:00	-3	0.8	1.8	243	7.5	45.5	90	0.00
9/5/2010 3:00	6	1.1	2.5	253	7.5	45.5	88	0.00
9/5/2010 4:00	14	0.6	1.3	191	7.6	45.7	87	0.00
9/5/2010 5:00	5	0.7	1.6	194	7.1	44.8	89	0.00
9/5/2010 6:00	-3	1.2	2.7	276	7.8	46.0	86	0.00
9/5/2010 7:00	26	0.7	1.6	313	8.5	47.3	84	0.00
9/5/2010 8:00	26	0.7	1.6	297	9.4	48.9	71	0.00
9/5/2010 9:00	23	1.7	3.8	349	9.1	48.4	67	0.01
9/5/2010 10:00	25	1.3	2.9	323	9.0	48.2	64	0.00
9/5/2010 11:00	25	2.1	4.7	339	9.9	49.8	51	0.00
9/5/2010 12:00	40	3.8	8.5	276	12.8	55.0	35	0.00
9/5/2010 13:00	37	4.4	9.8	284	12.7	54.9	34	0.00
9/5/2010 14:00	41	4.6	10.3	288	12.2	54.0	34	0.00
9/5/2010 15:00	27	5.1	11.4	277	11.5	52.7	34	0.00
9/5/2010 16:00	2	4.2	9.4	270	11.1	52.0	34	0.00
9/5/2010 17:00	13	4.3	9.6	272	10.8	51.4	37	0.00
9/5/2010 18:00	6	3.2	7.2	275	9.4	48.9	39	0.00
9/5/2010 19:00	10	2.5	5.6	275	8.2	46.8	43	0.00
9/5/2010 20:00	-5	2.8	6.3	273	6.6	43.9	51	0.00
9/5/2010 21:00	13	3.3	7.4	271	6.1	43.0	57	0.00
9/5/2010 22:00	-2	3.6	8.1	265	5.0	41.0	65	0.00
9/5/2010 23:00	6	2.7	6.0	262	3.8	38.8	68	0.00
9/6/2010 0:00	3	2.9	6.5	270	4.8	40.6	63	0.00
9/6/2010 1:00	0	2.1	4.7	283	5.0	41.0	63	0.00
9/6/2010 2:00	-3	1.1	2.5	289	3.8	38.8	70	0.00
9/6/2010 3:00	17	0.8	1.8	211	2.4	36.3	77	0.00
9/6/2010 4:00	1	0.7	1.6	226	2.7	36.9	73	0.00
9/6/2010 5:00	-5	1.0	2.2	293	2.7	36.9	72	0.00
9/6/2010 6:00	2	0.6	1.3	165	1.1	34.0	84	0.00
9/6/2010 7:00	5	0.8	1.8	157	1.0	33.8	83	0.00
9/6/2010 8:00	13	1.3	2.9	193	5.6	42.1	62	0.00
9/6/2010 9:00	8	2.4	5.4	236	6.9	44.4	56	0.00
9/6/2010 10:00	14	2.3	5.1	235	8.9	48.0	48	0.00
9/6/2010 11:00	2	1.8	4.0	249	9.8	49.6	43	0.00
9/6/2010 12:00	2	1.2	2.7	178	11.8	53.2	37	0.00
9/6/2010 13:00	2	1.3	2.9	65	12.0	53.6	37	0.00
9/6/2010 14:00	3	1.5	3.4	44	12.6	54.7	34	0.00
9/6/2010 15:00	8	1.4	3.1	260	14.0	57.2	31	0.00
9/6/2010 16:00	6	1.5	3.4	277	14.4	57.9	30	0.00
9/6/2010 17:00	12	1.7	3.8	290	13.8	56.8	33	0.00
9/6/2010 18:00	3	1.7	3.8	25	13.9	57.0	32	0.00
9/6/2010 19:00	16	0.9	2.0	339	11.6	52.9	42	0.00
9/6/2010 20:00	8	0.7	1.6	261	7.0	44.6	60	0.00
9/6/2010 21:00	16	0.8	1.8	227	2.9	37.2	75	0.00
9/6/2010 22:00	6	0.9	2.0	230	1.5	34.7	79	0.00
9/6/2010 23:00	25	0.8	1.8	221	2.1	35.8	76	0.00
9/7/2010 0:00	3	1.0	2.2	224	1.8	35.2	77	0.00
9/7/2010 1:00	0	1.0	2.2	225	-0.2	31.6	81	0.00
9/7/2010 2:00	15	0.8	1.8	206	-1.2	29.8	83	0.00
9/7/2010 3:00	-5	1.0	2.2	233	-1.2	29.8	83	0.00
9/7/2010 4:00	8	1.1	2.5	240	0.3	32.5	76	0.00
9/7/2010 5:00	2	0.8	1.8	248	0.5	32.9	74	0.00
9/7/2010 6:00	12	1.4	3.1	227	1.4	34.5	70	0.00
9/7/2010 7:00	12	1.5	3.4	227	1.7	35.1	68	0.00
9/7/2010 8:00	12	1.7	3.8	195	4.4	39.9	58	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/7/2010 9:00	15	2.0	4.5	212	7.9	46.2	48	0.00
9/7/2010 10:00	51	2.4	5.4	155	12.6	54.7	37	0.00
9/7/2010 11:00	24	3.1	6.9	137	16.3	61.3	26	0.00
9/7/2010 12:00	11	3.4	7.6	128	17.9	64.2	24	0.00
9/7/2010 13:00	14	2.9	6.5	123	19.0	66.2	24	0.00
9/7/2010 14:00	10	2.7	6.0	117	19.4	66.9	23	0.00
9/7/2010 15:00	5	1.5	3.4	228	21.3	70.3	20	0.00
9/7/2010 16:00	14	1.3	2.9	130	21.4	70.5	19	0.00
9/7/2010 17:00	12	0.7	1.6	47	21.2	70.2	21	0.00
9/7/2010 18:00	7	0.8	1.8	170	20.7	69.3	22	0.00
9/7/2010 19:00	30	0.8	1.8	196	15.9	60.6	37	0.00
9/7/2010 20:00	18	1.0	2.2	243	11.3	52.3	51	0.00
9/7/2010 21:00	19	0.7	1.6	253	6.9	44.4	66	0.00
9/7/2010 22:00	0	0.8	1.8	238	4.7	40.5	75	0.00
9/7/2010 23:00	17	0.8	1.8	240	3.3	37.9	79	0.00
9/8/2010 0:00	25	0.8	1.8	227	2.8	37.0	79	0.00
9/8/2010 1:00	2	0.8	1.8	215	3.6	38.5	75	0.00
9/8/2010 2:00	13	0.8	1.8	227	3.1	37.6	78	0.00
9/8/2010 3:00	10	0.9	2.0	217	4.3	39.7	74	0.00
9/8/2010 4:00	8	1.0	2.2	215	5.0	41.0	72	0.00
9/8/2010 5:00	3	0.9	2.0	234	4.3	39.7	77	0.00
9/8/2010 6:00	2	1.0	2.2	227	4.3	39.7	76	0.00
9/8/2010 7:00	18	0.7	1.6	240	3.5	38.3	77	0.00
9/8/2010 8:00	28	0.7	1.6	230	4.8	40.6	77	0.00
9/8/2010 9:00	14	0.7	1.6	263	7.8	46.0	68	0.00
9/8/2010 10:00	23	1.0	2.2	26	11.2	52.2	52	0.00
9/8/2010 11:00	23	1.4	3.1	290	12.3	54.1	50	0.00
9/8/2010 12:00	48	1.7	3.8	349	14.8	58.6	42	0.00
9/8/2010 13:00	17	1.5	3.4	23	16.7	62.1	37	0.00
9/8/2010 14:00	37	1.6	3.6	358	17.8	64.0	36	0.00
9/8/2010 15:00	36	1.4	3.1	190	14.5	58.1	59	0.07
9/8/2010 16:00	14	1.2	2.7	52	13.4	56.1	71	0.00
9/8/2010 17:00	11	0.6	1.3	288	13.5	56.3	68	0.00
9/8/2010 18:00	12	0.6	1.3	209	13.0	55.4	73	0.00
9/8/2010 19:00	-5	0.6	1.3	232	11.7	53.1	82	0.03
9/8/2010 20:00	12	1.0	2.2	149	10.4	50.7	89	0.04
9/8/2010 21:00	10	0.7	1.6	269	9.7	49.5	90	0.00
9/8/2010 22:00	2	0.5	1.1	309	9.6	49.3	91	0.01
9/8/2010 23:00	3	0.6	1.3	237	9.6	49.3	91	0.01
9/9/2010 0:00	8	0.4	0.9	204	9.3	48.7	92	0.01
9/9/2010 1:00	27	0.4	0.9	248	8.7	47.7	92	0.01
9/9/2010 2:00	12	0.5	1.1	250	8.2	46.8	93	0.00
9/9/2010 3:00	11	0.3	0.7	280	8.1	46.6	93	0.00
9/9/2010 4:00	10	0.6	1.3	229	8.1	46.6	93	0.00
9/9/2010 5:00	9	0.5	1.1	244	7.9	46.2	93	0.00
9/9/2010 6:00	-5	0.7	1.6	253	8.0	46.4	93	0.18
9/9/2010 7:00	7	0.8	1.8	112	8.4	47.1	93	0.15
9/9/2010 8:00	-2	1.1	2.5	288	7.9	46.2	92	0.07
9/9/2010 9:00	-1	1.6	3.6	300	7.4	45.3	89	0.09
9/9/2010 10:00	-1	2.0	4.5	287	6.9	44.4	86	0.03
9/9/2010 11:00	0	1.7	3.8	296	6.9	44.4	85	0.02
9/9/2010 12:00	-4	1.2	2.7	322	6.8	44.2	86	0.04
9/9/2010 13:00	1	0.9	2.0	0	6.9	44.4	87	0.03
9/9/2010 14:00	-2	1.1	2.5	32	7.0	44.6	87	0.11
9/9/2010 15:00	0	1.0	2.2	81	7.4	45.3	86	0.06
9/9/2010 16:00	1	0.8	1.8	144	7.4	45.3	87	0.05
9/9/2010 17:00	9	0.9	2.0	152	7.8	46.0	87	0.00
9/9/2010 18:00	-5	1.2	2.7	257	7.9	46.2	84	0.01
9/9/2010 19:00	-5	1.7	3.8	287	7.8	46.0	84	0.00
9/9/2010 20:00	14	2.2	4.9	274	7.7	45.9	81	0.00
9/9/2010 21:00	9	2.0	4.5	269	7.8	46.0	77	0.01
9/9/2010 22:00	-5	2.1	4.7	270	8.0	46.4	72	0.00
9/9/2010 23:00	-5	1.3	2.9	242	7.9	46.2	74	0.00
9/10/2010 0:00	-5	1.4	3.1	275	7.6	45.7	74	0.00
9/10/2010 1:00	18	1.5	3.4	264	7.5	45.5	75	0.00
9/10/2010 2:00	-1	1.6	3.6	263	7.7	45.9	72	0.00
9/10/2010 3:00	2	1.6	3.6	250	7.5	45.5	73	0.00
9/10/2010 4:00	-2	1.5	3.4	273	6.7	44.1	75	0.00
9/10/2010 5:00	2	0.8	1.8	241	4.8	40.6	83	0.00
9/10/2010 6:00	9	1.6	3.6	253	6.1	43.0	78	0.00
9/10/2010 7:00	7	1.4	3.1	247	6.5	43.7	75	0.00
9/10/2010 8:00	2	1.7	3.8	240	7.4	45.3	72	0.00
9/10/2010 9:00	4	3.2	7.2	235	8.0	46.4	68	0.00
9/10/2010 10:00	-3	2.8	6.3	254	9.8	49.6	62	0.00
9/10/2010 11:00	7	2.9	6.5	259	11.3	52.3	56	0.00
9/10/2010 12:00	0	2.3	5.1	273	11.9	53.4	50	0.00
9/10/2010 13:00	8	3.1	6.9	282	12.1	53.8	49	0.00
9/10/2010 14:00	3	3.0	6.7	267	11.8	53.2	50	0.00
9/10/2010 15:00	-5	2.2	4.9	270	12.4	54.3	46	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/10/2010 16:00	8	2.8	6.3	271	15.0	59.0	34	0.00
9/10/2010 17:00	1	2.3	5.1	296	14.1	57.4	42	0.00
9/10/2010 18:00	0	1.8	4.0	294	13.5	56.3	44	0.00
9/10/2010 19:00	15	0.8	1.8	287	10.0	50.0	57	0.00
9/10/2010 20:00	18	1.1	2.5	255	8.3	46.9	62	0.00
9/10/2010 21:00	-5	1.0	2.2	192	5.8	42.4	74	0.00
9/10/2010 22:00	-5	0.9	2.0	244	3.3	37.9	82	0.00
9/10/2010 23:00	18	0.9	2.0	222	2.6	36.7	83	0.00
9/11/2010 0:00	-3	0.7	1.6	199	1.0	33.8	88	0.00
9/11/2010 1:00	6	0.6	1.3	222	0.4	32.7	90	0.00
9/11/2010 2:00	0	0.9	2.0	197	0.8	33.4	90	0.00
9/11/2010 3:00	5	0.9	2.0	212	0.7	33.3	89	0.00
9/11/2010 4:00	-1	1.1	2.5	191	1.1	34.0	88	0.00
9/11/2010 5:00	0	0.9	2.0	175	1.6	34.9	84	0.00
9/11/2010 6:00	0	1.2	2.7	154	2.1	35.8	82	0.00
9/11/2010 7:00	7	1.4	3.1	159	2.3	36.1	80	0.00
9/11/2010 8:00	15	1.6	3.6	160	6.1	43.0	68	0.00
9/11/2010 9:00	-1	2.1	4.7	184	10.6	51.1	50	0.00
9/11/2010 10:00	12	3.7	8.3	216	12.2	54.0	45	0.00
9/11/2010 11:00	12	4.6	10.3	227	14.0	57.2	42	0.00
9/11/2010 12:00	-5	3.8	8.5	227	15.9	60.6	38	0.00
9/11/2010 13:00	9	3.1	6.9	222	17.8	64.0	34	0.00
9/11/2010 14:00	3	3.4	7.6	228	19.0	66.2	31	0.00
9/11/2010 15:00	9	2.7	6.0	224	19.5	67.1	31	0.00
9/11/2010 16:00	8	2.7	6.0	224	19.5	67.1	31	0.00
9/11/2010 17:00	3	2.7	6.0	234	19.5	67.1	32	0.00
9/11/2010 18:00	14	2.1	4.7	275	19.4	66.9	29	0.00
9/11/2010 19:00	10	1.0	2.2	241	15.2	59.4	44	0.00
9/11/2010 20:00	12	0.9	2.0	240	10.0	50.0	63	0.00
9/11/2010 21:00	1	0.9	2.0	251	7.0	44.6	74	0.00
9/11/2010 22:00	2	0.7	1.6	231	5.5	41.9	80	0.00
9/11/2010 23:00	8	1.0	2.2	231	4.5	40.1	82	0.00
9/12/2010 0:00	9	0.8	1.8	217	4.0	39.2	81	0.00
9/12/2010 1:00	-4	0.9	2.0	225	3.9	39.0	82	0.00
9/12/2010 2:00	12	0.9	2.0	236	2.2	36.0	85	0.00
9/12/2010 3:00	-3	0.9	2.0	229	1.6	34.9	87	0.00
9/12/2010 4:00	5	0.9	2.0	227	2.2	36.0	85	0.00
9/12/2010 5:00	8	1.1	2.5	212	2.8	37.0	83	0.00
9/12/2010 6:00	0	1.0	2.2	222	3.3	37.9	80	0.00
9/12/2010 7:00	16	1.4	3.1	176	4.9	40.8	73	0.00
9/12/2010 8:00	2	1.5	3.4	179	8.4	47.1	61	0.00
9/12/2010 9:00	5	1.8	4.0	193	12.2	54.0	52	0.00
9/12/2010 10:00	6	1.8	4.0	188	16.5	61.7	36	0.00
9/12/2010 11:00	13	4.0	8.9	227	18.0	64.4	30	0.00
9/12/2010 12:00	14	4.0	8.9	227	19.5	67.1	28	0.00
9/12/2010 13:00	12	2.9	6.5	222	21.2	70.2	27	0.00
9/12/2010 14:00	17	2.2	4.9	217	22.7	72.9	25	0.00
9/12/2010 15:00	14	2.0	4.5	214	23.6	74.5	23	0.00
9/12/2010 16:00	8	2.2	4.9	216	23.6	74.5	22	0.00
9/12/2010 17:00	3	1.8	4.0	220	22.7	72.9	23	0.00
9/12/2010 18:00	14	1.3	2.9	255	21.4	70.5	29	0.00
9/12/2010 19:00	12	1.0	2.2	302	17.9	64.2	42	0.00
9/12/2010 20:00	15	0.9	2.0	249	13.9	57.0	54	0.00
9/12/2010 21:00	17	0.8	1.8	211	9.5	49.1	69	0.00
9/12/2010 22:00	14	0.6	1.3	190	7.1	44.8	76	0.00
9/12/2010 23:00	2	1.0	2.2	233	6.8	44.2	75	0.00
9/13/2010 0:00	-1	1.0	2.2	216	6.0	42.8	77	0.00
9/13/2010 1:00	-1	0.8	1.8	234	4.4	39.9	82	0.00
9/13/2010 2:00	15	1.1	2.5	220	5.4	41.7	78	0.00
9/13/2010 3:00	-3	0.9	2.0	219	5.2	41.4	77	0.00
9/13/2010 4:00	3	0.8	1.8	209	3.1	37.6	84	0.00
9/13/2010 5:00	15	1.0	2.2	188	3.8	38.8	81	0.00
9/13/2010 6:00	10	0.9	2.0	183	3.7	38.7	80	0.00
9/13/2010 7:00	18	0.9	2.0	193	4.1	39.4	78	0.00
9/13/2010 8:00	4	1.2	2.7	175	8.6	47.5	63	0.00
9/13/2010 9:00	14	1.2	2.7	183	12.5	54.5	51	0.00
9/13/2010 10:00	13	2.0	4.5	55	14.3	57.7	51	0.00
9/13/2010 11:00	11	1.5	3.4	34	16.4	61.5	46	0.00
9/13/2010 12:00	9	1.4	3.1	46	18.5	65.3	39	0.00
9/13/2010 13:00	11	1.9	4.3	28	20.8	69.4	34	0.00
9/13/2010 14:00	20	2.2	4.9	22	21.8	71.2	33	0.00
9/13/2010 15:00	35	1.3	2.9	24	19.0	66.2	48	0.01
9/13/2010 16:00	9	1.9	4.3	263	18.8	65.8	41	0.03
9/13/2010 17:00	21	1.3	2.9	338	20.2	68.4	38	0.00
9/13/2010 18:00	17	1.6	3.6	3	19.1	66.4	42	0.00
9/13/2010 19:00	11	1.4	3.1	49	15.6	60.1	55	0.00
9/13/2010 20:00	7	1.3	2.9	245	14.0	57.2	60	0.00
9/13/2010 21:00	12	1.0	2.2	163	12.6	54.7	67	0.00
9/13/2010 22:00	5	0.9	2.0	214	12.0	53.6	67	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/13/2010 23:00	11	1.9	4.3	269	12.8	55.0	63	0.01
9/14/2010 0:00	8	1.9	4.3	207	13.3	55.9	62	0.00
9/14/2010 1:00	6	2.0	4.5	195	13.2	55.8	60	0.00
9/14/2010 2:00	17	1.5	3.4	176	12.5	54.5	63	0.00
9/14/2010 3:00	1	1.4	3.1	173	12.4	54.3	62	0.00
9/14/2010 4:00	10	1.1	2.5	161	11.8	53.2	66	0.00
9/14/2010 5:00	5	1.2	2.7	191	11.6	52.9	67	0.00
9/14/2010 6:00	12	1.1	2.5	232	11.0	51.8	67	0.00
9/14/2010 7:00	1	1.3	2.9	199	9.7	49.5	73	0.00
9/14/2010 8:00	18	1.3	2.9	180	11.5	52.7	67	0.00
9/14/2010 9:00	3	0.8	1.8	230	12.7	54.9	66	0.00
9/14/2010 10:00	6	0.8	1.8	203	15.3	59.5	56	0.00
9/14/2010 11:00	9	1.1	2.5	226	17.9	64.2	44	0.00
9/14/2010 12:00	12	1.1	2.5	200	20.0	68.0	38	0.00
9/14/2010 13:00	22	1.8	4.0	13	20.5	68.9	39	0.00
9/14/2010 14:00	13	2.1	4.7	352	15.0	59.0	68	0.10
9/14/2010 15:00	9	1.9	4.3	284	12.4	54.3	74	0.01
9/14/2010 16:00	10	1.2	2.7	204	15.8	60.4	58	0.00
9/14/2010 17:00	10	0.8	1.8	138	17.4	63.3	51	0.00
9/14/2010 18:00	19	0.8	1.8	181	16.9	62.4	54	0.00
9/14/2010 19:00	9	1.5	3.4	293	13.7	56.7	65	0.01
9/14/2010 20:00	-4	2.7	6.0	328	10.9	51.6	74	0.07
9/14/2010 21:00	-3	2.5	5.6	263	9.1	48.4	81	0.06
9/14/2010 22:00	5	1.3	2.9	199	8.7	47.7	82	0.00
9/14/2010 23:00	-2	1.7	3.8	173	8.8	47.8	85	0.00
9/15/2010 0:00	0	1.1	2.5	215	8.2	46.8	86	0.00
9/15/2010 1:00	4	1.0	2.2	207	7.5	45.5	87	0.00
9/15/2010 2:00	11	0.9	2.0	206	7.1	44.8	87	0.00
9/15/2010 3:00	-5	0.9	2.0	197	5.0	41.0	90	0.00
9/15/2010 4:00	-1	0.9	2.0	202	5.0	41.0	91	0.00
9/15/2010 5:00	5	0.9	2.0	213	5.6	42.1	88	0.00
9/15/2010 6:00	1	1.3	2.9	215	5.3	41.5	87	0.00
9/15/2010 7:00	11	1.2	2.7	218	5.3	41.5	85	0.00
9/15/2010 8:00	4	1.4	3.1	182	7.8	46.0	75	0.00
9/15/2010 9:00	9	2.0	4.5	168	10.4	50.7	69	0.00
9/15/2010 10:00	2	2.3	5.1	153	13.3	55.9	62	0.00
9/15/2010 11:00	4	1.9	4.3	156	16.2	61.2	52	0.00
9/15/2010 12:00	12	1.7	3.8	185	18.0	64.4	43	0.00
9/15/2010 13:00	8	1.3	2.9	202	18.9	66.0	40	0.00
9/15/2010 14:00	BA	BA	BA	BA	20.7	69.3	34	0.00
9/15/2010 15:00	1	1.3	2.9	202	21.5	70.7	30	0.00
9/15/2010 16:00	12	2.1	4.7	297	22.3	72.1	26	0.00
9/15/2010 17:00	-3	2.0	4.5	287	21.0	69.8	28	0.00
9/15/2010 18:00	13	1.9	4.3	289	19.9	67.8	30	0.00
9/15/2010 19:00	9	1.1	2.5	251	16.4	61.5	41	0.00
9/15/2010 20:00	9	1.1	2.5	225	12.3	54.1	61	0.00
9/15/2010 21:00	10	0.8	1.8	217	9.2	48.6	75	0.00
9/15/2010 22:00	11	1.0	2.2	216	8.9	48.0	73	0.00
9/15/2010 23:00	1	1.0	2.2	236	7.5	45.5	76	0.00
9/16/2010 0:00	4	1.2	2.7	237	8.7	47.7	69	0.00
9/16/2010 1:00	16	1.3	2.9	231	9.3	48.7	66	0.00
9/16/2010 2:00	-5	1.4	3.1	220	10.3	50.5	62	0.00
9/16/2010 3:00	12	1.4	3.1	216	9.8	49.6	64	0.00
9/16/2010 4:00	-1	1.4	3.1	198	10.2	50.4	60	0.00
9/16/2010 5:00	13	1.0	2.2	203	9.6	49.3	63	0.00
9/16/2010 6:00	18	0.8	1.8	215	7.5	45.5	74	0.00
9/16/2010 7:00	11	0.9	2.0	209	6.8	44.2	77	0.00
9/16/2010 8:00	6	0.9	2.0	151	10.2	50.4	62	0.00
9/16/2010 9:00	19	1.6	3.6	33	12.4	54.3	59	0.00
9/16/2010 10:00	3	1.4	3.1	359	13.7	56.7	54	0.00
9/16/2010 11:00	15	1.4	3.1	20	15.4	59.7	52	0.00
9/16/2010 12:00	27	1.4	3.1	41	16.6	61.9	49	0.00
9/16/2010 13:00	14	1.9	4.3	7	16.1	61.0	53	0.00
9/16/2010 14:00	17	1.8	4.0	2	17.1	62.8	52	0.00
9/16/2010 15:00	19	2.1	4.7	342	16.7	62.1	56	0.00
9/16/2010 16:00	19	3.6	8.1	290	17.4	63.3	54	0.00
9/16/2010 17:00	15	3.3	7.4	286	18.2	64.8	50	0.00
9/16/2010 18:00	22	3.3	7.4	349	16.3	61.3	59	0.00
9/16/2010 19:00	16	3.0	6.7	19	13.6	56.5	71	0.00
9/16/2010 20:00	5	1.3	2.9	351	12.5	54.5	74	0.00
9/16/2010 21:00	5	1.0	2.2	259	11.5	52.7	77	0.00
9/16/2010 22:00	9	0.8	1.8	268	11.7	53.1	76	0.00
9/16/2010 23:00	-5	0.6	1.3	233	10.6	51.1	82	0.00
9/17/2010 0:00	4	0.7	1.6	267	10.3	50.5	85	0.03
9/17/2010 1:00	13	0.6	1.3	208	10.1	50.2	90	0.02
9/17/2010 2:00	12	0.6	1.3	189	9.9	49.8	91	0.01
9/17/2010 3:00	11	0.6	1.3	235	9.9	49.8	91	0.00
9/17/2010 4:00	-5	0.4	0.9	315	9.5	49.1	91	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/17/2010 5:00	8	0.4	0.9	280	9.7	49.5	91	0.00
9/17/2010 6:00	-5	0.9	2.0	25	9.0	48.2	91	0.00
9/17/2010 7:00	-5	0.9	2.0	351	7.8	46.0	90	0.00
9/17/2010 8:00	5	1.8	4.0	12	7.3	45.1	88	0.00
9/17/2010 9:00	23	0.9	2.0	7	7.7	45.9	85	0.00
9/17/2010 10:00	0	1.3	2.9	4	8.8	47.8	85	0.00
9/17/2010 11:00	-2	2.1	4.7	20	9.8	49.6	82	0.00
9/17/2010 12:00	10	3.0	6.7	20	10.0	50.0	78	0.01
9/17/2010 13:00	6	3.0	6.7	14	8.9	48.0	75	0.00
9/17/2010 14:00	-1	2.8	6.3	11	8.6	47.5	72	0.00
9/17/2010 15:00	2	3.3	7.4	8	8.2	46.8	71	0.00
9/17/2010 16:00	3	1.9	4.3	358	8.8	47.8	69	0.00
9/17/2010 17:00	5	2.9	6.5	16	8.6	47.5	69	0.00
9/17/2010 18:00	2	2.3	5.1	11	7.7	45.9	70	0.00
9/17/2010 19:00	4	1.7	3.8	24	7.1	44.8	72	0.00
9/17/2010 20:00	5	1.2	2.7	353	5.9	42.6	73	0.00
9/17/2010 21:00	16	0.7	1.6	338	4.8	40.6	82	0.01
9/17/2010 22:00	-5	0.5	1.1	249	4.8	40.6	82	0.00
9/17/2010 23:00	2	0.4	0.9	175	4.6	40.3	83	0.00
9/18/2010 0:00	9	0.5	1.1	191	4.6	40.3	85	0.00
9/18/2010 1:00	13	0.5	1.1	202	5.1	41.2	85	0.00
9/18/2010 2:00	-5	0.7	1.6	268	4.8	40.6	87	0.00
9/18/2010 3:00	6	0.6	1.3	290	4.8	40.6	87	0.00
9/18/2010 4:00	12	0.5	1.1	238	5.6	42.1	87	0.00
9/18/2010 5:00	0	0.6	1.3	103	5.7	42.3	86	0.00
9/18/2010 6:00	-5	1.1	2.5	161	6.8	44.2	80	0.00
9/18/2010 7:00	-1	1.4	3.1	170	6.9	44.4	80	0.00
9/18/2010 8:00	5	2.4	5.4	155	8.2	46.8	77	0.00
9/18/2010 9:00	18	3.7	8.3	94	9.2	48.6	72	0.00
9/18/2010 10:00	-5	2.9	6.5	24	7.1	44.8	76	0.00
9/18/2010 11:00	8	1.6	3.6	252	9.5	49.1	67	0.00
9/18/2010 12:00	2	1.3	2.9	257	12.4	54.3	62	0.00
9/18/2010 13:00	6	1.6	3.6	47	14.4	57.9	59	0.00
9/18/2010 14:00	6	1.7	3.8	31	15.1	59.2	60	0.00
9/18/2010 15:00	2	1.8	4.0	26	15.7	60.3	60	0.00
9/18/2010 16:00	3	1.8	4.0	14	15.5	59.9	61	0.00
9/18/2010 17:00	13	1.3	2.9	347	15.4	59.7	60	0.00
9/18/2010 18:00	10	1.0	2.2	271	14.8	58.6	65	0.01
9/18/2010 19:00	14	0.7	1.6	251	12.9	55.2	73	0.00
9/18/2010 20:00	15	0.6	1.3	236	11.4	52.5	80	0.00
9/18/2010 21:00	7	0.7	1.6	223	10.8	51.4	83	0.00
9/18/2010 22:00	19	0.8	1.8	243	10.3	50.5	84	0.00
9/18/2010 23:00	-5	0.8	1.8	218	9.3	48.7	87	0.00
9/19/2010 0:00	12	0.8	1.8	223	9.8	49.6	84	0.00
9/19/2010 1:00	14	0.9	2.0	237	9.4	48.9	85	0.00
9/19/2010 2:00	5	0.9	2.0	236	7.8	46.0	88	0.00
9/19/2010 3:00	8	0.9	2.0	248	6.6	43.9	89	0.00
9/19/2010 4:00	-5	1.0	2.2	230	6.0	42.8	90	0.00
9/19/2010 5:00	5	1.7	3.8	237	6.7	44.1	88	0.00
9/19/2010 6:00	-5	2.2	4.9	230	8.0	46.4	84	0.00
9/19/2010 7:00	20	1.5	3.4	219	8.3	46.9	81	0.00
9/19/2010 8:00	14	1.8	4.0	204	9.9	49.8	75	0.00
9/19/2010 9:00	5	1.7	3.8	202	13.3	55.9	65	0.00
9/19/2010 10:00	12	2.0	4.5	177	17.2	63.0	53	0.00
9/19/2010 11:00	10	1.7	3.8	174	21.1	70.0	38	0.00
9/19/2010 12:00	17	1.3	2.9	209	23.6	74.5	28	0.00
9/19/2010 13:00	18	2.1	4.7	219	24.5	76.1	27	0.00
9/19/2010 14:00	21	3.2	7.2	240	25.4	77.7	22	0.00
9/19/2010 15:00	40	3.9	8.7	20	21.1	70.0	39	0.00
9/19/2010 16:00	42	2.0	4.5	355	19.1	66.4	47	0.00
9/19/2010 17:00	-5	1.3	2.9	3	19.0	66.2	50	0.00
9/19/2010 18:00	15	1.6	3.6	71	18.3	64.9	51	0.00
9/19/2010 19:00	122	6.6	14.8	238	19.8	67.6	27	0.00
9/19/2010 20:00	87	5.6	12.5	240	19.3	66.7	29	0.00
9/19/2010 21:00	12	4.1	9.2	240	18.2	64.8	33	0.00
9/19/2010 22:00	4	2.5	5.6	238	16.5	61.7	39	0.00
9/19/2010 23:00	6	2.4	5.4	239	15.3	59.5	43	0.00
9/20/2010 0:00	13	2.4	5.4	339	14.1	57.4	55	0.00
9/20/2010 1:00	20	2.3	5.1	247	12.8	55.0	63	0.00
9/20/2010 2:00	0	1.6	3.6	146	11.1	52.0	62	0.00
9/20/2010 3:00	0	1.9	4.3	219	10.7	51.3	62	0.00
9/20/2010 4:00	-5	2.1	4.7	18	8.4	47.1	84	0.02
9/20/2010 5:00	22	0.8	1.8	282	7.6	45.7	87	0.00
9/20/2010 6:00	-5	0.7	1.6	253	6.7	44.1	89	0.00
9/20/2010 7:00	1	0.8	1.8	227	5.7	42.3	90	0.00
9/20/2010 8:00	9	0.7	1.6	173	7.8	46.0	81	0.00
9/20/2010 9:00	-5	0.9	2.0	141	9.8	49.6	69	0.00
9/20/2010 10:00	3	1.6	3.6	243	12.2	54.0	53	0.01
9/20/2010 11:00	3	2.6	5.8	249	12.2	54.0	53	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/20/2010 12:00	8	2.0	4.5	287	11.1	52.0	65	0.03
9/20/2010 13:00	-3	1.1	2.5	326	11.6	52.9	64	0.01
9/20/2010 14:00	-1	1.6	3.6	60	12.3	54.1	58	0.00
9/20/2010 15:00	3	1.4	3.1	53	12.8	55.0	57	0.00
9/20/2010 16:00	-4	2.3	5.1	254	14.3	57.7	48	0.00
9/20/2010 17:00	5	3.8	8.5	246	14.2	57.6	47	0.00
9/20/2010 18:00	6	1.7	3.8	273	12.4	54.3	55	0.00
9/20/2010 19:00	6	1.4	3.1	262	9.9	49.8	63	0.00
9/20/2010 20:00	-5	1.0	2.2	227	7.0	44.6	74	0.00
9/20/2010 21:00	16	0.9	2.0	241	4.7	40.5	84	0.00
9/20/2010 22:00	2	0.9	2.0	225	3.7	38.7	85	0.00
9/20/2010 23:00	8	0.9	2.0	240	3.1	37.6	85	0.00
9/21/2010 0:00	6	0.5	1.1	219	2.5	36.5	88	0.00
9/21/2010 1:00	12	0.5	1.1	215	2.8	37.0	87	0.00
9/21/2010 2:00	10	0.9	2.0	219	3.5	38.3	85	0.00
9/21/2010 3:00	-5	0.9	2.0	206	2.4	36.3	86	0.00
9/21/2010 4:00	-5	0.8	1.8	232	1.3	34.3	88	0.00
9/21/2010 5:00	-3	1.1	2.5	228	2.2	36.0	86	0.00
9/21/2010 6:00	-1	1.5	3.4	225	3.3	37.9	81	0.00
9/21/2010 7:00	0	1.3	2.9	223	3.1	37.6	81	0.00
9/21/2010 8:00	20	1.3	2.9	200	4.7	40.5	76	0.00
9/21/2010 9:00	4	1.5	3.4	174	7.7	45.9	66	0.00
9/21/2010 10:00	1	1.9	4.3	164	11.3	52.3	56	0.00
9/21/2010 11:00	5	1.5	3.4	180	13.7	56.7	45	0.00
9/21/2010 12:00	5	2.3	5.1	221	14.5	58.1	41	0.00
9/21/2010 13:00	1	2.7	6.0	236	15.8	60.4	39	0.00
9/21/2010 14:00	7	3.2	7.2	237	16.6	61.9	36	0.00
9/21/2010 15:00	23	1.8	4.0	332	17.3	63.1	35	0.00
9/21/2010 16:00	25	2.9	6.5	22	16.1	61.0	44	0.00
9/21/2010 17:00	-5	3.3	7.4	18	14.2	57.6	51	0.00
9/21/2010 18:00	8	2.4	5.4	15	13.1	55.6	55	0.00
9/21/2010 19:00	5	2.2	4.9	3	12.0	53.6	61	0.00
9/21/2010 20:00	9	2.4	5.4	11	11.0	51.8	65	0.00
9/21/2010 21:00	2	2.6	5.8	13	10.1	50.2	68	0.00
9/21/2010 22:00	7	1.3	2.9	338	9.2	48.6	72	0.00
9/21/2010 23:00	12	1.0	2.2	279	8.2	46.8	76	0.00
9/22/2010 0:00	6	0.9	2.0	261	7.6	45.7	78	0.00
9/22/2010 1:00	2	1.1	2.5	242	7.0	44.6	80	0.00
9/22/2010 2:00	-2	1.0	2.2	250	6.6	43.9	82	0.00
9/22/2010 3:00	20	0.9	2.0	243	5.6	42.1	84	0.00
9/22/2010 4:00	-5	0.6	1.3	225	4.1	39.4	88	0.00
9/22/2010 5:00	11	0.4	0.9	162	4.5	40.1	88	0.00
9/22/2010 6:00	4	0.5	1.1	253	3.6	38.5	90	0.00
9/22/2010 7:00	23	0.7	1.6	260	3.1	37.6	91	0.00
9/22/2010 8:00	0	0.7	1.6	344	4.2	39.6	89	0.00
9/22/2010 9:00	6	1.6	3.6	19	6.9	44.4	78	0.00
9/22/2010 10:00	-1	1.2	2.7	360	8.5	47.3	69	0.00
9/22/2010 11:00	5	1.7	3.8	34	9.7	49.5	65	0.00
9/22/2010 12:00	3	1.9	4.3	32	10.6	51.1	64	0.00
9/22/2010 13:00	10	1.6	3.6	13	11.9	53.4	60	0.00
9/22/2010 14:00	7	1.8	4.0	23	11.9	53.4	61	0.00
9/22/2010 15:00	15	1.7	3.8	40	12.2	54.0	60	0.00
9/22/2010 16:00	18	1.9	4.3	24	12.1	53.8	61	0.00
9/22/2010 17:00	9	2.0	4.5	35	12.4	54.3	59	0.00
9/22/2010 18:00	25	2.0	4.5	22	12.2	54.0	60	0.00
9/22/2010 19:00	8	0.8	1.8	326	9.8	49.6	71	0.00
9/22/2010 20:00	26	0.5	1.1	191	8.6	47.5	77	0.00
9/22/2010 21:00	-5	0.7	1.6	27	8.4	47.1	78	0.00
9/22/2010 22:00	5	0.8	1.8	66	8.8	47.8	76	0.00
9/22/2010 23:00	19	0.6	1.3	173	7.4	45.3	83	0.00
9/23/2010 0:00	17	0.9	2.0	205	5.4	41.7	87	0.00
9/23/2010 1:00	-5	0.7	1.6	220	3.2	37.8	89	0.00
9/23/2010 2:00	4	0.8	1.8	232	2.9	37.2	90	0.00
9/23/2010 3:00	20	0.7	1.6	248	2.6	36.7	89	0.00
9/23/2010 4:00	-5	1.2	2.7	228	3.6	38.5	87	0.00
9/23/2010 5:00	9	0.8	1.8	216	3.6	38.5	87	0.00
9/23/2010 6:00	1	0.7	1.6	220	2.3	36.1	88	0.00
9/23/2010 7:00	14	0.7	1.6	194	1.2	34.2	90	0.00
9/23/2010 8:00	25	0.9	2.0	162	4.6	40.3	79	0.00
9/23/2010 9:00	3	1.6	3.6	211	8.4	47.1	68	0.00
9/23/2010 10:00	6	2.2	4.9	231	10.7	51.3	56	0.00
9/23/2010 11:00	3	1.4	3.1	213	13.3	55.9	46	0.00
9/23/2010 12:00	19	2.0	4.5	256	15.2	59.4	39	0.00
9/23/2010 13:00	9	2.4	5.4	292	17.0	62.6	29	0.00
9/23/2010 14:00	35	1.9	4.3	313	18.2	64.8	22	0.00
9/23/2010 15:00	9	3.2	7.2	286	18.6	65.5	20	0.00
9/23/2010 16:00	5	2.9	6.5	295	18.5	65.3	20	0.00
9/23/2010 17:00	10	2.7	6.0	291	18.1	64.6	20	0.00
9/23/2010 18:00	5	1.8	4.0	283	16.7	62.1	23	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/23/2010 19:00	23	0.9	2.0	244	12.3	54.1	36	0.00
9/23/2010 20:00	11	0.8	1.8	235	7.9	46.2	53	0.00
9/23/2010 21:00	31	1.1	2.5	239	6.9	44.4	57	0.00
9/23/2010 22:00	21	0.9	2.0	218	4.3	39.7	66	0.00
9/23/2010 23:00	1	1.2	2.7	203	4.9	40.8	62	0.00
9/24/2010 0:00	14	1.0	2.2	216	6.3	43.3	56	0.00
9/24/2010 1:00	0	1.1	2.5	206	7.7	45.9	51	0.00
9/24/2010 2:00	14	0.8	1.8	97	6.6	43.9	54	0.00
9/24/2010 3:00	14	2.2	4.9	278	7.9	46.2	51	0.00
9/24/2010 4:00	4	0.8	1.8	265	3.9	39.0	68	0.00
9/24/2010 5:00	6	0.7	1.6	245	2.4	36.3	75	0.00
9/24/2010 6:00	28	0.7	1.6	183	1.9	35.4	79	0.00
9/24/2010 7:00	16	0.6	1.3	225	2.2	36.0	79	0.00
9/24/2010 8:00	20	0.6	1.3	139	3.4	38.1	79	0.00
9/24/2010 9:00	21	0.6	1.3	123	6.1	43.0	70	0.00
9/24/2010 10:00	8	1.0	2.2	202	9.4	48.9	58	0.00
9/24/2010 11:00	37	1.2	2.7	125	14.3	57.7	43	0.00
9/24/2010 12:00	19	3.0	6.7	287	16.9	62.4	34	0.00
9/24/2010 13:00	10	3.5	7.8	288	17.8	64.0	28	0.00
9/24/2010 14:00	15	3.5	7.8	287	18.1	64.6	26	0.00
9/24/2010 15:00	5	3.2	7.2	293	17.7	63.9	26	0.00
9/24/2010 16:00	14	3.7	8.3	289	18.4	65.1	23	0.00
9/24/2010 17:00	5	3.7	8.3	277	17.9	64.2	23	0.00
9/24/2010 18:00	-2	2.4	5.4	292	16.6	61.9	25	0.00
9/24/2010 19:00	-4	1.3	2.9	294	13.8	56.8	31	0.00
9/24/2010 20:00	34	1.5	3.4	265	12.7	54.9	34	0.00
9/24/2010 21:00	16	0.9	2.0	240	9.1	48.4	52	0.00
9/24/2010 22:00	-1	1.0	2.2	242	8.0	46.4	56	0.00
9/24/2010 23:00	9	0.9	2.0	245	7.6	45.7	58	0.00
9/25/2010 0:00	12	1.1	2.5	238	7.4	45.3	61	0.00
9/25/2010 1:00	5	1.0	2.2	181	8.2	46.8	56	0.00
9/25/2010 2:00	-1	1.0	2.2	199	8.0	46.4	58	0.00
9/25/2010 3:00	4	0.8	1.8	190	8.4	47.1	56	0.00
9/25/2010 4:00	6	1.1	2.5	183	8.2	46.8	56	0.00
9/25/2010 5:00	11	1.3	2.9	222	7.1	44.8	60	0.00
9/25/2010 6:00	1	1.0	2.2	190	6.0	42.8	65	0.00
9/25/2010 7:00	7	1.2	2.7	215	6.7	44.1	63	0.00
9/25/2010 8:00	9	1.6	3.6	186	9.5	49.1	55	0.00
9/25/2010 9:00	16	1.8	4.0	182	13.2	55.8	48	0.00
9/25/2010 10:00	7	1.8	4.0	174	18.1	64.6	37	0.00
9/25/2010 11:00	12	2.1	4.7	222	20.2	68.4	33	0.00
9/25/2010 12:00	19	3.0	6.7	220	21.3	70.3	32	0.00
9/25/2010 13:00	19	2.5	5.6	217	23.9	75.0	30	0.00
9/25/2010 14:00	18	3.2	7.2	226	25.1	77.2	28	0.00
9/25/2010 15:00	-2	3.0	6.7	226	25.9	78.6	26	0.00
9/25/2010 16:00	8	3.0	6.7	227	26.3	79.3	25	0.00
9/25/2010 17:00	7	2.9	6.5	227	26.2	79.2	24	0.00
9/25/2010 18:00	8	3.0	6.7	233	25.0	77.0	25	0.00
9/25/2010 19:00	17	0.8	1.8	188	20.5	68.9	36	0.00
9/25/2010 20:00	50	0.7	1.6	195	15.6	60.1	49	0.00
9/25/2010 21:00	3	1.0	2.2	222	14.6	58.3	51	0.00
9/25/2010 22:00	7	1.0	2.2	217	13.4	56.1	56	0.00
9/25/2010 23:00	5	1.0	2.2	239	11.7	53.1	60	0.00
9/26/2010 0:00	6	1.4	3.1	195	13.3	55.9	54	0.00
9/26/2010 1:00	14	1.8	4.0	162	13.6	56.5	51	0.00
9/26/2010 2:00	4	1.4	3.1	186	12.9	55.2	52	0.00
9/26/2010 3:00	12	2.0	4.5	170	12.6	54.7	52	0.00
9/26/2010 4:00	7	2.1	4.7	173	11.6	52.9	55	0.00
9/26/2010 5:00	15	2.2	4.9	184	10.9	51.6	56	0.00
9/26/2010 6:00	16	2.1	4.7	193	10.5	50.9	57	0.00
9/26/2010 7:00	20	2.3	5.1	163	9.2	48.6	60	0.00
9/26/2010 8:00	12	2.6	5.8	173	11.7	53.1	51	0.00
9/26/2010 9:00	16	2.2	4.9	209	15.1	59.2	45	0.00
9/26/2010 10:00	19	1.8	4.0	189	19.5	67.1	35	0.00
9/26/2010 11:00	15	3.1	6.9	223	22.6	72.7	24	0.00
9/26/2010 12:00	38	3.5	7.8	222	23.4	74.1	20	0.00
9/26/2010 13:00	34	4.5	10.1	231	25.0	77.0	18	0.00
9/26/2010 14:00	21	2.7	6.0	247	26.4	79.5	16	0.00
9/26/2010 15:00	20	3.8	8.5	286	26.4	79.5	15	0.00
9/26/2010 16:00	42	4.0	8.9	288	25.7	78.3	16	0.00
9/26/2010 17:00	8	3.8	8.5	288	24.9	76.8	16	0.00
9/26/2010 18:00	7	3.5	7.8	287	23.3	73.9	16	0.00
9/26/2010 19:00	26	1.2	2.7	236	19.7	67.5	25	0.00
9/26/2010 20:00	13	0.8	1.8	85	16.0	60.8	34	0.00
9/26/2010 21:00	13	0.9	2.0	165	15.5	59.9	37	0.00
9/26/2010 22:00	7	1.2	2.7	269	15.6	60.1	40	0.00
9/26/2010 23:00	3	1.1	2.5	306	13.5	56.3	46	0.00
9/27/2010 0:00	7	1.1	2.5	241	11.5	52.7	55	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/27/2010 1:00	15	0.8	1.8	221	8.5	47.3	65	0.00
9/27/2010 2:00	0	0.9	2.0	226	7.9	46.2	66	0.00
9/27/2010 3:00	8	0.8	1.8	207	7.9	46.2	64	0.00
9/27/2010 4:00	8	0.7	1.6	245	6.0	42.8	72	0.00
9/27/2010 5:00	2	1.0	2.2	228	7.8	46.0	63	0.00
9/27/2010 6:00	21	1.0	2.2	204	8.5	47.3	60	0.00
9/27/2010 7:00	16	1.4	3.1	158	7.7	45.9	62	0.00
9/27/2010 8:00	1	1.1	2.5	167	10.4	50.7	53	0.00
9/27/2010 9:00	25	1.2	2.7	176	14.7	58.5	44	0.00
9/27/2010 10:00	15	1.3	2.9	119	17.6	63.7	38	0.00
9/27/2010 11:00	19	1.3	2.9	68	19.5	67.1	37	0.00
9/27/2010 12:00	15	1.3	2.9	105	23.0	73.4	28	0.00
9/27/2010 13:00	29	1.8	4.0	208	25.0	77.0	24	0.00
9/27/2010 14:00	16	1.7	3.8	360	26.3	79.3	23	0.00
9/27/2010 15:00	12	1.5	3.4	79	27.0	80.6	22	0.00
9/27/2010 16:00	26	2.5	5.6	20	26.7	80.1	25	0.00
9/27/2010 17:00	14	2.6	5.8	25	25.2	77.4	27	0.00
9/27/2010 18:00	28	1.5	3.4	356	23.1	73.6	33	0.00
9/27/2010 19:00	27	1.2	2.7	249	17.7	63.9	51	0.00
9/27/2010 20:00	41	0.8	1.8	228	12.7	54.9	67	0.00
9/27/2010 21:00	19	1.2	2.7	234	11.4	52.5	68	0.00
9/27/2010 22:00	7	0.7	1.6	193	9.2	48.6	74	0.00
9/27/2010 23:00	13	0.9	2.0	191	10.2	50.4	68	0.00
9/28/2010 0:00	8	1.0	2.2	186	9.9	49.8	67	0.00
9/28/2010 1:00	9	1.2	2.7	175	9.8	49.6	67	0.00
9/28/2010 2:00	9	1.0	2.2	217	9.3	48.7	68	0.00
9/28/2010 3:00	13	0.8	1.8	213	8.9	48.0	68	0.00
9/28/2010 4:00	7	0.8	1.8	185	7.9	46.2	71	0.00
9/28/2010 5:00	8	1.2	2.7	179	8.5	47.3	68	0.00
9/28/2010 6:00	16	1.2	2.7	199	8.7	47.7	67	0.00
9/28/2010 7:00	16	1.3	2.9	201	8.6	47.5	66	0.00
9/28/2010 8:00	32	1.5	3.4	201	11.2	52.2	57	0.00
9/28/2010 9:00	33	1.5	3.4	199	14.7	58.5	49	0.00
9/28/2010 10:00	48	1.4	3.1	202	18.9	66.0	39	0.00
9/28/2010 11:00	32	2.2	4.9	210	22.5	72.5	30	0.00
9/28/2010 12:00	33	3.6	8.1	227	24.1	75.4	26	0.00
9/28/2010 13:00	34	2.6	5.8	219	26.3	79.3	23	0.00
9/28/2010 14:00	36	3.4	7.6	263	28.2	82.8	17	0.00
9/28/2010 15:00	34	3.7	8.3	284	28.5	83.3	15	0.00
9/28/2010 16:00	33	3.7	8.3	286	27.9	82.2	14	0.00
9/28/2010 17:00	13	3.3	7.4	287	26.7	80.1	16	0.00
9/28/2010 18:00	11	3.3	7.4	288	24.8	76.6	18	0.00
9/28/2010 19:00	8	3.4	7.6	289	22.7	72.9	20	0.00
9/28/2010 20:00	16	2.8	6.3	292	21.1	70.0	25	0.00
9/28/2010 21:00	12	2.3	5.1	288	19.7	67.5	31	0.00
9/28/2010 22:00	20	2.7	6.0	293	18.8	65.8	33	0.00
9/28/2010 23:00	19	2.1	4.7	305	17.5	63.5	39	0.00
9/29/2010 0:00	23	0.9	2.0	279	13.6	56.5	49	0.00
9/29/2010 1:00	3	1.0	2.2	217	9.4	48.9	63	0.00
9/29/2010 2:00	9	1.0	2.2	243	6.3	43.3	73	0.00
9/29/2010 3:00	-1	1.1	2.5	208	5.8	42.4	75	0.00
9/29/2010 4:00	11	1.0	2.2	213	5.1	41.2	78	0.00
9/29/2010 5:00	2	1.0	2.2	213	4.8	40.6	80	0.00
9/29/2010 6:00	11	0.9	2.0	225	4.8	40.6	81	0.00
9/29/2010 7:00	25	0.8	1.8	231	4.5	40.1	82	0.00
9/29/2010 8:00	26	1.1	2.5	196	7.7	45.9	71	0.00
9/29/2010 9:00	47	1.1	2.5	201	12.2	54.0	61	0.00
9/29/2010 10:00	26	1.1	2.5	155	16.6	61.9	48	0.00
9/29/2010 11:00	26	1.5	3.4	19	18.2	64.8	47	0.00
9/29/2010 12:00	24	1.6	3.6	13	19.6	67.3	43	0.00
9/29/2010 13:00	28	1.9	4.3	37	20.6	69.1	39	0.00
9/29/2010 14:00	21	2.3	5.1	55	21.3	70.3	36	0.00
9/29/2010 15:00	26	2.7	6.0	20	22.2	72.0	36	0.00
9/29/2010 16:00	20	2.5	5.6	13	22.0	71.6	37	0.00
9/29/2010 17:00	10	2.1	4.7	2	21.7	71.1	37	0.00
9/29/2010 18:00	22	1.5	3.4	360	20.2	68.4	42	0.00
9/29/2010 19:00	17	0.8	1.8	254	15.4	59.7	58	0.00
9/29/2010 20:00	13	0.9	2.0	245	10.8	51.4	73	0.00
9/29/2010 21:00	1	0.7	1.6	219	9.0	48.2	78	0.00
9/29/2010 22:00	24	1.0	2.2	228	7.9	46.2	81	0.00
9/29/2010 23:00	18	0.8	1.8	235	6.9	44.4	83	0.00
9/30/2010 0:00	3	1.1	2.5	226	6.0	42.8	85	0.00
9/30/2010 1:00	15	1.0	2.2	234	5.7	42.3	85	0.00
9/30/2010 2:00	-4	0.7	1.6	233	4.4	39.9	88	0.00
9/30/2010 3:00	16	1.0	2.2	227	3.9	39.0	89	0.00
9/30/2010 4:00	-5	1.0	2.2	223	5.0	41.0	86	0.00
9/30/2010 5:00	22	1.2	2.7	198	6.4	43.5	81	0.00
9/30/2010 6:00	15	0.9	2.0	222	5.8	42.4	82	0.00
9/30/2010 7:00	21	0.8	1.8	207	4.9	40.8	83	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
9/30/2010 8:00	45	1.1	2.5	208	7.0	44.6	73	0.00
9/30/2010 9:00	18	1.4	3.1	181	11.5	52.7	62	0.00
9/30/2010 10:00	35	1.7	3.8	176	15.2	59.4	49	0.00
9/30/2010 11:00	39	1.4	3.1	186	18.9	66.0	41	0.00
9/30/2010 12:00	31	2.2	4.9	49	20.4	68.7	41	0.00
9/30/2010 13:00	47	2.1	4.7	22	21.4	70.5	39	0.00
9/30/2010 14:00	34	2.5	5.6	27	22.8	73.0	35	0.00
9/30/2010 15:00	25	2.6	5.8	19	23.6	74.5	31	0.00
9/30/2010 16:00	39	2.8	6.3	14	23.7	74.7	28	0.00
9/30/2010 17:00	17	2.5	5.6	7	23.6	74.5	27	0.00
9/30/2010 18:00	24	1.1	2.5	319	22.1	71.8	32	0.00
9/30/2010 19:00	33	1.9	4.3	351	18.2	64.8	46	0.00
9/30/2010 20:00	21	2.4	5.4	359	16.6	61.9	51	0.00
9/30/2010 21:00	20	1.6	3.6	23	14.2	57.6	60	0.00
9/30/2010 22:00	33	0.8	1.8	283	11.8	53.2	68	0.00
9/30/2010 23:00	14	0.8	1.8	226	8.4	47.1	78	0.00
10/1/2010 0:00	7	0.6	1.3	217	6.2	43.2	84	0.00

AN = Sampler malfunction (no data recorded)

BA = Routine maintenance / repairs

**Table 6**  
**Warm Springs Site Hourly Average Data**  
**Met One E-BAM**  
**September 2010**

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/1/2010 1:00	2	1.9	4.3	186	11.0	51.8	57
9/1/2010 2:00	6	2.9	6.5	194	11.3	52.3	56
9/1/2010 3:00	6	2.7	6.0	197	11.0	51.8	59
9/1/2010 4:00	4	2.4	5.4	202	10.7	51.3	61
9/1/2010 5:00	4	1.8	4.0	188	10.3	50.5	64
9/1/2010 6:00	2	1.9	4.3	183	10.0	50.0	67
9/1/2010 7:00	3	3.0	6.7	210	10.2	50.4	67
9/1/2010 8:00	-5	2.6	5.8	218	10.8	51.4	63
9/1/2010 9:00	1	2.2	4.9	218	12.7	54.9	58
9/1/2010 10:00	9	3.0	6.7	227	14.7	58.5	52
9/1/2010 11:00	6	2.8	6.3	227	14.3	57.7	52
9/1/2010 12:00	7	4.2	9.4	244	14.8	58.6	49
9/1/2010 13:00	-4	4.2	9.4	292	14.9	58.8	51
9/1/2010 14:00	9	4.3	9.6	306	16.9	62.4	45
9/1/2010 15:00	10	5.6	12.5	295	17.2	63.0	43
9/1/2010 16:00	-5	4.4	9.8	300	15.7	60.3	51
9/1/2010 17:00	-4	4.2	9.4	295	15.5	59.9	49
9/1/2010 18:00	-5	3.5	7.8	305	14.4	57.9	49
9/1/2010 19:00	-2	2.9	6.5	318	11.9	53.4	55
9/1/2010 20:00	0	1.8	4.0	54	10.3	50.5	61
9/1/2010 21:00	-4	1.8	4.0	7	9.5	49.1	67
9/1/2010 22:00	5	2.2	4.9	36	6.6	43.9	80
9/1/2010 23:00	11	1.1	2.5	55	6.3	43.3	82
9/2/2010 0:00	4	1.8	4.0	159	6.6	43.9	81
9/2/2010 1:00	-5	1.0	2.2	159	5.1	41.2	84
9/2/2010 2:00	1	0.7	1.6	285	1.8	35.2	89
9/2/2010 3:00	-5	0.5	1.1	289	0.9	33.6	90
9/2/2010 4:00	7	0.7	1.6	315	0.2	32.4	90
9/2/2010 5:00	2	0.7	1.6	257	-0.4	31.3	91
9/2/2010 6:00	2	0.8	1.8	161	-0.1	31.8	91
9/2/2010 7:00	1	0.8	1.8	142	1.1	34.0	90
9/2/2010 8:00	5	1.5	3.4	188	4.7	40.5	79
9/2/2010 9:00	-1	1.3	2.9	166	8.6	47.5	68
9/2/2010 10:00	5	1.3	2.9	191	12.3	54.1	51
9/2/2010 11:00	11	1.6	3.6	199	14.8	58.6	37
9/2/2010 12:00	5	1.8	4.0	132	16.6	61.9	36
9/2/2010 13:00	4	1.7	3.8	132	17.8	64.0	35
9/2/2010 14:00	2	1.5	3.4	131	19.4	66.9	27
9/2/2010 15:00	3	1.4	3.1	120	20.6	69.1	23
9/2/2010 16:00	3	1.5	3.4	356	21.3	70.3	23
9/2/2010 17:00	2	1.6	3.6	356	20.9	69.6	26
9/2/2010 18:00	-1	1.2	2.7	356	19.3	66.7	37
9/2/2010 19:00	-1	0.6	1.3	338	16.2	61.2	52
9/2/2010 20:00	-5	0.5	1.1	245	10.1	50.2	79
9/2/2010 21:00	-5	0.6	1.3	272	7.3	45.1	83
9/2/2010 22:00	-5	0.6	1.3	149	6.6	43.9	86
9/2/2010 23:00	14	1.1	2.5	137	6.2	43.2	84
9/3/2010 0:00	15	1.3	2.9	172	6.5	43.7	79
9/3/2010 1:00	3	1.1	2.5	169	5.8	42.4	80
9/3/2010 2:00	4	1.3	2.9	183	5.1	41.2	80
9/3/2010 3:00	14	1.7	3.8	177	4.7	40.5	79
9/3/2010 4:00	1	1.2	2.7	175	3.9	39.0	79
9/3/2010 5:00	1	1.1	2.5	161	3.5	38.3	79
9/3/2010 6:00	-5	1.3	2.9	173	3.2	37.8	80
9/3/2010 7:00	13	0.9	2.0	141	4.9	40.8	72
9/3/2010 8:00	2	2.3	5.1	164	10.2	50.4	57
9/3/2010 9:00	4	3.0	6.7	206	14.2	57.6	43
9/3/2010 10:00	14	2.5	5.6	208	18.4	65.1	35
9/3/2010 11:00	19	1.2	2.7	20	19.6	67.3	40
9/3/2010 12:00	8	1.2	2.7	32	21.4	70.5	35
9/3/2010 13:00	-3	2.5	5.6	182	25.1	77.2	20
9/3/2010 14:00	19	2.1	4.7	212	26.7	80.1	17
9/3/2010 15:00	10	1.6	3.6	182	27.4	81.3	17
9/3/2010 16:00	-5	1.7	3.8	5	27.3	81.1	21
9/3/2010 17:00	4	1.6	3.6	4	26.4	79.5	23
9/3/2010 18:00	-1	1.5	3.4	354	24.8	76.6	27
9/3/2010 19:00	-4	1.2	2.7	322	20.9	69.6	41
9/3/2010 20:00	-5	0.8	1.8	264	14.2	57.6	62
9/3/2010 21:00	4	1.0	2.2	182	12.6	54.7	65
9/3/2010 22:00	3	1.2	2.7	146	11.7	53.1	66
9/3/2010 23:00	5	1.6	3.6	142	11.0	51.8	68
9/4/2010 0:00	25	1.5	3.4	167	10.7	51.3	66
9/4/2010 1:00	-1	1.4	3.1	163	10.9	51.6	64
9/4/2010 2:00	8	1.2	2.7	186	11.4	52.5	61
9/4/2010 3:00	7	1.3	2.9	169	11.7	53.1	59
9/4/2010 4:00	2	1.6	3.6	191	11.3	52.3	59
9/4/2010 5:00	15	1.4	3.1	183	11.4	52.5	59
9/4/2010 6:00	0	2.2	4.9	204	11.7	53.1	57
9/4/2010 7:00	5	1.3	2.9	82	10.9	51.6	61
9/4/2010 8:00	8	1.3	2.9	317	11.9	53.4	61

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/4/2010 9:00	18	1.3	2.9	224	16.1	61.0	46
9/4/2010 10:00	18	1.3	2.9	198	18.7	65.7	41
9/4/2010 11:00	11	1.2	2.7	37	21.4	70.5	36
9/4/2010 12:00	8	1.7	3.8	2	23.5	74.3	31
9/4/2010 13:00	3	1.6	3.6	360	24.2	75.6	31
9/4/2010 14:00	-5	1.5	3.4	55	20.5	68.9	49
9/4/2010 15:00	12	2.5	5.6	102	20.5	68.9	47
9/4/2010 16:00	-3	1.6	3.6	124	19.0	66.2	56
9/4/2010 17:00	7	1.7	3.8	122	16.4	61.5	66
9/4/2010 18:00	110	0.9	2.0	84	15.0	59.0	73
9/4/2010 19:00	18	1.0	2.2	198	13.9	57.0	82
9/4/2010 20:00	-5	0.7	1.6	116	11.7	53.1	87
9/4/2010 21:00	2	1.0	2.2	147	10.7	51.3	89
9/4/2010 22:00	-5	1.2	2.7	235	9.0	48.2	87
9/4/2010 23:00	31	0.7	1.6	167	8.2	46.8	87
9/5/2010 0:00	-2	1.1	2.5	172	8.5	47.3	89
9/5/2010 1:00	16	1.3	2.9	161	10.0	50.0	86
9/5/2010 2:00	-2	0.8	1.8	168	8.6	47.5	90
9/5/2010 3:00	26	0.5	1.1	56	7.9	46.2	91
9/5/2010 4:00	-1	0.8	1.8	193	8.0	46.4	91
9/5/2010 5:00	-4	0.6	1.3	141	8.5	47.3	88
9/5/2010 6:00	5	0.7	1.6	260	8.3	46.9	88
9/5/2010 7:00	4	0.6	1.3	284	8.5	47.3	87
9/5/2010 8:00	10	1.1	2.5	320	9.6	49.3	79
9/5/2010 9:00	-2	0.9	2.0	43	9.7	49.5	74
9/5/2010 10:00	10	1.2	2.7	73	9.7	49.5	61
9/5/2010 11:00	18	1.1	2.5	74	11.1	52.0	51
9/5/2010 12:00	18	1.5	3.4	25	13.6	56.5	40
9/5/2010 13:00	9	4.6	10.3	289	14.2	57.6	32
9/5/2010 14:00	7	5.8	13.0	302	13.4	56.1	33
9/5/2010 15:00	0	5.1	11.4	300	11.8	53.2	34
9/5/2010 16:00	11	3.7	8.3	285	12.6	54.7	32
9/5/2010 17:00	5	4.7	10.5	274	12.1	53.8	35
9/5/2010 18:00	4	4.0	8.9	295	11.2	52.2	36
9/5/2010 19:00	-1	2.2	4.9	299	8.0	46.4	47
9/5/2010 20:00	-5	3.2	7.2	256	6.1	43.0	57
9/5/2010 21:00	-5	4.3	9.6	259	6.6	43.9	60
9/5/2010 22:00	7	3.7	8.3	264	5.3	41.5	70
9/5/2010 23:00	9	2.7	6.0	273	4.6	40.3	70
9/6/2010 0:00	19	0.9	2.0	17	3.8	38.8	71
9/6/2010 1:00	-5	0.9	2.0	324	2.8	37.0	79
9/6/2010 2:00	3	0.6	1.3	319	2.3	36.1	82
9/6/2010 3:00	-5	0.6	1.3	89	1.5	34.7	87
9/6/2010 4:00	9	0.7	1.6	304	0.5	32.9	86
9/6/2010 5:00	-5	0.6	1.3	306	-0.2	31.6	89
9/6/2010 6:00	-3	0.7	1.6	135	0.3	32.5	90
9/6/2010 7:00	1	0.4	0.9	319	0.7	33.3	90
9/6/2010 8:00	6	0.6	1.3	339	1.4	34.5	88
9/6/2010 9:00	-1	1.8	4.0	291	7.4	45.3	63
9/6/2010 10:00	18	3.0	6.7	237	10.5	50.9	45
9/6/2010 11:00	-5	3.3	7.4	237	12.3	54.1	37
9/6/2010 12:00	8	1.9	4.3	222	12.5	54.5	33
9/6/2010 13:00	11	2.3	5.1	187	14.4	57.9	31
9/6/2010 14:00	5	2.5	5.6	130	14.6	58.3	32
9/6/2010 15:00	-5	2.1	4.7	184	14.7	58.5	30
9/6/2010 16:00	7	1.9	4.3	241	15.9	60.6	29
9/6/2010 17:00	-5	1.1	2.5	9	15.0	59.0	32
9/6/2010 18:00	3	0.9	2.0	38	15.7	60.3	31
9/6/2010 19:00	1	0.9	2.0	335	12.0	53.6	47
9/6/2010 20:00	-4	0.6	1.3	327	6.2	43.2	68
9/6/2010 21:00	-5	0.6	1.3	221	3.2	37.8	79
9/6/2010 22:00	11	0.9	2.0	158	3.2	37.8	77
9/6/2010 23:00	5	1.0	2.2	156	3.8	38.8	73
9/7/2010 0:00	21	0.9	2.0	167	2.9	37.2	76
9/7/2010 1:00	-3	1.1	2.5	152	2.3	36.1	77
9/7/2010 2:00	8	1.1	2.5	194	1.2	34.2	79
9/7/2010 3:00	5	1.2	2.7	172	1.4	34.5	76
9/7/2010 4:00	4	1.2	2.7	164	1.4	34.5	76
9/7/2010 5:00	-5	1.8	4.0	199	1.6	34.9	74
9/7/2010 6:00	15	1.6	3.6	179	1.2	34.2	75
9/7/2010 7:00	2	2.0	4.5	192	2.7	36.9	67
9/7/2010 8:00	9	2.5	5.6	202	6.0	42.8	55
9/7/2010 9:00	7	2.7	6.0	216	9.6	49.3	46
9/7/2010 10:00	16	2.5	5.6	203	14.0	57.2	34
9/7/2010 11:00	15	3.5	7.8	152	17.2	63.0	26
9/7/2010 12:00	8	3.2	7.2	146	18.7	65.7	25
9/7/2010 13:00	9	2.7	6.0	146	19.9	67.8	23
9/7/2010 14:00	-1	2.6	5.8	160	20.2	68.4	22
9/7/2010 15:00	6	2.2	4.9	145	21.4	70.5	20
9/7/2010 16:00	6	1.8	4.0	152	21.5	70.7	20
9/7/2010 17:00	7	0.9	2.0	298	21.3	70.3	21
9/7/2010 18:00	12	0.7	1.6	338	20.8	69.4	27
9/7/2010 19:00	-5	1.0	2.2	170	16.7	62.1	39
9/7/2010 20:00	-2	1.1	2.5	228	12.7	54.9	48
9/7/2010 21:00	-2	0.7	1.6	277	7.7	45.9	67
9/7/2010 22:00	-5	0.6	1.3	175	5.6	42.1	76

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/7/2010 23:00	11	0.9	2.0	183	5.5	41.9	73
9/8/2010 0:00	22	1.1	2.5	128	4.9	40.8	75
9/8/2010 1:00	7	1.0	2.2	178	4.5	40.1	75
9/8/2010 2:00	1	1.2	2.7	162	5.6	42.1	70
9/8/2010 3:00	15	1.1	2.5	171	5.7	42.3	71
9/8/2010 4:00	-4	0.7	1.6	320	4.5	40.1	77
9/8/2010 5:00	8	0.7	1.6	357	4.3	39.7	80
9/8/2010 6:00	-5	0.7	1.6	351	3.2	37.8	83
9/8/2010 7:00	16	0.8	1.8	225	2.2	36.0	85
9/8/2010 8:00	8	1.1	2.5	276	4.5	40.1	83
9/8/2010 9:00	8	0.9	2.0	344	8.2	46.8	72
9/8/2010 10:00	7	1.0	2.2	51	11.8	53.2	54
9/8/2010 11:00	9	2.3	5.1	312	13.3	55.9	49
9/8/2010 12:00	11	1.3	2.9	310	15.9	60.6	41
9/8/2010 13:00	13	1.4	3.1	356	18.0	64.4	37
9/8/2010 14:00	10	1.9	4.3	344	18.6	65.5	36
9/8/2010 15:00	5	2.0	4.5	204	15.8	60.4	54
9/8/2010 16:00	11	1.0	2.2	76	14.2	57.6	72
9/8/2010 17:00	1	1.3	2.9	324	14.2	57.6	68
9/8/2010 18:00	8	0.7	1.6	202	13.6	56.5	74
9/8/2010 19:00	2	0.6	1.3	145	12.3	54.1	83
9/8/2010 20:00	15	1.3	2.9	127	11.2	52.2	87
9/8/2010 21:00	-5	1.0	2.2	308	10.0	50.0	89
9/8/2010 22:00	20	0.6	1.3	70	10.1	50.2	90
9/8/2010 23:00	-5	0.6	1.3	279	9.9	49.8	91
9/9/2010 0:00	14	0.5	1.1	293	9.6	49.3	92
9/9/2010 1:00	10	0.3	0.7	97	9.4	48.9	92
9/9/2010 2:00	22	0.4	0.9	298	8.8	47.8	93
9/9/2010 3:00	9	0.4	0.9	302	8.6	47.5	92
9/9/2010 4:00	-5	0.4	0.9	271	8.3	46.9	93
9/9/2010 5:00	4	0.5	1.1	302	7.8	46.0	92
9/9/2010 6:00	11	0.8	1.8	6	8.8	47.8	92
9/9/2010 7:00	-1	1.2	2.7	223	9.2	48.6	92
9/9/2010 8:00	-3	0.9	2.0	27	9.2	48.6	92
9/9/2010 9:00	5	0.9	2.0	355	8.3	46.9	92
9/9/2010 10:00	2	0.8	1.8	79	8.0	46.4	91
9/9/2010 11:00	5	0.9	2.0	40	8.0	46.4	89
9/9/2010 12:00	-5	0.7	1.6	19	8.1	46.6	86
9/9/2010 13:00	15	0.7	1.6	33	7.8	46.0	87
9/9/2010 14:00	-5	0.8	1.8	285	7.9	46.2	86
9/9/2010 15:00	2	0.7	1.6	118	8.3	46.9	86
9/9/2010 16:00	6	1.1	2.5	161	8.3	46.9	88
9/9/2010 17:00	1	1.2	2.7	137	8.7	47.7	87
9/9/2010 18:00	4	1.1	2.5	113	8.6	47.5	86
9/9/2010 19:00	-3	0.5	1.1	85	8.4	47.1	87
9/9/2010 20:00	-5	0.7	1.6	121	8.1	46.6	89
9/9/2010 21:00	-5	0.9	2.0	259	8.0	46.4	85
9/9/2010 22:00	8	1.2	2.7	258	7.7	45.9	86
9/9/2010 23:00	4	2.3	5.1	253	8.0	46.4	78
9/10/2010 0:00	5	3.2	7.2	261	8.5	47.3	74
9/10/2010 1:00	-3	2.7	6.0	251	8.2	46.8	75
9/10/2010 2:00	14	2.4	5.4	253	8.1	46.6	75
9/10/2010 3:00	-5	2.3	5.1	255	7.9	46.2	75
9/10/2010 4:00	11	3.5	7.8	252	7.6	45.7	74
9/10/2010 5:00	6	2.2	4.9	244	6.9	44.4	76
9/10/2010 6:00	-5	3.4	7.6	238	7.7	45.9	73
9/10/2010 7:00	12	3.1	6.9	238	7.9	46.2	73
9/10/2010 8:00	11	1.7	3.8	281	8.0	46.4	75
9/10/2010 9:00	-5	4.0	8.9	256	9.6	49.3	66
9/10/2010 10:00	4	3.8	8.5	260	10.9	51.6	59
9/10/2010 11:00	6	3.5	7.8	264	12.1	53.8	54
9/10/2010 12:00	3	3.6	8.1	281	12.6	54.7	50
9/10/2010 13:00	1	2.9	6.5	283	12.9	55.2	52
9/10/2010 14:00	3	4.5	10.1	248	13.1	55.6	49
9/10/2010 15:00	10	4.5	10.1	268	14.4	57.9	44
9/10/2010 16:00	7	3.4	7.6	284	14.9	58.8	40
9/10/2010 17:00	-5	2.9	6.5	279	13.7	56.7	45
9/10/2010 18:00	13	2.8	6.3	285	14.3	57.7	44
9/10/2010 19:00	0	1.7	3.8	296	11.6	52.9	53
9/10/2010 20:00	5	1.0	2.2	303	6.6	43.9	73
9/10/2010 21:00	0	0.7	1.6	86	5.8	42.4	78
9/10/2010 22:00	-5	0.5	1.1	350	4.5	40.1	83
9/10/2010 23:00	9	0.9	2.0	304	3.6	38.5	82
9/11/2010 0:00	5	0.6	1.3	168	2.5	36.5	87
9/11/2010 1:00	0	1.3	2.9	201	2.4	36.3	88
9/11/2010 2:00	-1	1.0	2.2	155	1.6	34.9	90
9/11/2010 3:00	4	1.0	2.2	206	1.3	34.3	90
9/11/2010 4:00	-5	1.2	2.7	171	1.2	34.2	89
9/11/2010 5:00	1	0.8	1.8	136	1.2	34.2	88
9/11/2010 6:00	2	1.0	2.2	171	1.8	35.2	85
9/11/2010 7:00	7	2.0	4.5	184	5.3	41.5	72
9/11/2010 8:00	-3	2.8	6.3	189	8.6	47.5	61
9/11/2010 9:00	9	3.6	8.1	190	12.0	53.6	47
9/11/2010 10:00	10	4.4	9.8	188	14.0	57.2	42
9/11/2010 11:00	12	5.6	12.5	211	15.7	60.3	40

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/11/2010 12:00	8	4.8	10.7	205	17.6	63.7	36
9/11/2010 13:00	4	3.7	8.3	210	19.1	66.4	32
9/11/2010 14:00	6	2.4	5.4	237	19.8	67.6	26
9/11/2010 15:00	7	3.2	7.2	230	21.2	70.2	24
9/11/2010 16:00	-1	2.4	5.4	236	20.9	69.6	26
9/11/2010 17:00	4	1.8	4.0	246	20.9	69.6	26
9/11/2010 18:00	-3	2.4	5.4	282	19.9	67.8	29
9/11/2010 19:00	-4	1.3	2.9	296	16.1	61.0	43
9/11/2010 20:00	-5	0.7	1.6	315	10.7	51.3	63
9/11/2010 21:00	-5	0.7	1.6	128	7.6	45.7	77
9/11/2010 22:00	5	0.7	1.6	164	5.5	41.9	84
9/11/2010 23:00	13	0.6	1.3	165	4.7	40.5	87
9/12/2010 0:00	8	1.1	2.5	143	4.8	40.6	86
9/12/2010 1:00	13	1.0	2.2	171	5.2	41.4	82
9/12/2010 2:00	13	0.8	1.8	134	4.7	40.5	82
9/12/2010 3:00	-3	1.2	2.7	160	4.5	40.1	81
9/12/2010 4:00	4	1.1	2.5	175	5.0	41.0	78
9/12/2010 5:00	7	2.0	4.5	195	4.3	39.7	80
9/12/2010 6:00	9	1.8	4.0	191	4.1	39.4	81
9/12/2010 7:00	3	1.4	3.1	191	4.5	40.1	79
9/12/2010 8:00	4	1.6	3.6	165	8.4	47.1	67
9/12/2010 9:00	3	1.7	3.8	152	13.1	55.6	54
9/12/2010 10:00	16	2.8	6.3	184	17.8	64.0	34
9/12/2010 11:00	5	4.3	9.6	203	19.8	67.6	27
9/12/2010 12:00	8	4.9	11.0	211	21.2	70.2	25
9/12/2010 13:00	7	4.0	8.9	209	22.7	72.9	23
9/12/2010 14:00	4	2.9	6.5	192	23.8	74.8	21
9/12/2010 15:00	-2	2.5	5.6	198	24.1	75.4	21
9/12/2010 16:00	2	1.9	4.3	226	23.9	75.0	20
9/12/2010 17:00	2	2.3	5.1	216	23.9	75.0	21
9/12/2010 18:00	5	1.4	3.1	353	21.8	71.2	33
9/12/2010 19:00	-5	0.6	1.3	310	16.0	60.8	56
9/12/2010 20:00	-5	0.6	1.3	328	11.3	52.3	71
9/12/2010 21:00	5	0.7	1.6	128	10.3	50.5	74
9/12/2010 22:00	1	0.9	2.0	136	8.1	46.6	78
9/12/2010 23:00	-5	1.3	2.9	155	8.0	46.4	75
9/13/2010 0:00	26	1.3	2.9	148	7.1	44.8	78
9/13/2010 1:00	-5	1.3	2.9	148	6.9	44.4	77
9/13/2010 2:00	26	0.7	1.6	188	4.8	40.6	83
9/13/2010 3:00	-5	1.0	2.2	207	4.4	39.9	84
9/13/2010 4:00	4	1.4	3.1	171	5.5	41.9	79
9/13/2010 5:00	-2	1.6	3.6	191	5.5	41.9	77
9/13/2010 6:00	10	1.2	2.7	202	4.9	40.8	79
9/13/2010 7:00	3	1.1	2.5	181	4.8	40.6	78
9/13/2010 8:00	0	1.8	4.0	190	8.7	47.7	65
9/13/2010 9:00	10	1.0	2.2	75	12.2	54.0	58
9/13/2010 10:00	12	1.1	2.5	18	14.8	58.6	52
9/13/2010 11:00	20	1.1	2.5	28	17.3	63.1	44
9/13/2010 12:00	12	1.1	2.5	10	19.7	67.5	34
9/13/2010 13:00	7	1.5	3.4	3	21.4	70.5	33
9/13/2010 14:00	7	1.4	3.1	11	22.5	72.5	31
9/13/2010 15:00	5	1.3	2.9	360	21.9	71.4	34
9/13/2010 16:00	-5	1.6	3.6	151	19.9	67.8	40
9/13/2010 17:00	12	1.9	4.3	349	20.8	69.4	36
9/13/2010 18:00	21	1.4	3.1	347	19.2	66.6	46
9/13/2010 19:00	-5	1.1	2.5	89	15.5	59.9	55
9/13/2010 20:00	7	1.0	2.2	260	12.4	54.3	68
9/13/2010 21:00	0	1.4	3.1	129	13.3	55.9	67
9/13/2010 22:00	6	1.1	2.5	200	13.5	56.3	63
9/13/2010 23:00	0	1.3	2.9	211	12.5	54.5	69
9/14/2010 0:00	2	2.2	4.9	169	12.8	55.0	70
9/14/2010 1:00	10	1.9	4.3	214	13.0	55.4	68
9/14/2010 2:00	4	2.5	5.6	225	13.0	55.4	65
9/14/2010 3:00	8	2.8	6.3	193	13.6	56.5	62
9/14/2010 4:00	10	1.6	3.6	137	13.2	55.8	67
9/14/2010 5:00	8	1.6	3.6	186	13.0	55.4	65
9/14/2010 6:00	0	1.1	2.5	260	10.2	50.4	74
9/14/2010 7:00	7	1.4	3.1	170	10.5	50.9	75
9/14/2010 8:00	4	1.1	2.5	120	11.5	52.7	72
9/14/2010 9:00	5	1.0	2.2	242	14.1	57.4	64
9/14/2010 10:00	15	1.4	3.1	230	16.4	61.5	54
9/14/2010 11:00	15	1.8	4.0	221	18.7	65.7	44
9/14/2010 12:00	6	1.5	3.4	267	20.8	69.4	36
9/14/2010 13:00	26	1.5	3.4	8	22.2	72.0	35
9/14/2010 14:00	-5	1.3	2.9	53	14.7	58.5	76
9/14/2010 15:00	-5	1.7	3.8	332	12.8	55.0	79
9/14/2010 16:00	7	1.3	2.9	213	15.5	59.9	68
9/14/2010 17:00	27	1.2	2.7	208	18.1	64.6	53
9/14/2010 18:00	1	0.7	1.6	171	17.0	62.6	57
9/14/2010 19:00	-5	2.8	6.3	294	13.2	55.8	73
9/14/2010 20:00	8	2.2	4.9	266	10.3	50.5	85
9/14/2010 21:00	0	3.0	6.7	244	10.0	50.0	81
9/14/2010 22:00	0	2.0	4.5	167	9.8	49.6	79
9/14/2010 23:00	15	1.6	3.6	171	9.5	49.1	84
9/15/2010 0:00	9	1.7	3.8	195	9.2	48.6	85

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/15/2010 1:00	-5	1.6	3.6	187	8.6	47.5	85
9/15/2010 2:00	1	1.3	2.9	184	7.6	45.7	87
9/15/2010 3:00	2	1.4	3.1	176	6.8	44.2	88
9/15/2010 4:00	9	1.6	3.6	193	6.4	43.5	88
9/15/2010 5:00	-5	1.3	2.9	205	5.7	42.3	89
9/15/2010 6:00	3	1.7	3.8	198	6.0	42.8	87
9/15/2010 7:00	3	1.8	4.0	185	5.9	42.6	86
9/15/2010 8:00	8	2.0	4.5	193	8.6	47.5	77
9/15/2010 9:00	7	2.1	4.7	191	12.2	54.0	66
9/15/2010 10:00	10	2.7	6.0	178	15.1	59.2	58
9/15/2010 11:00	9	2.9	6.5	187	17.2	63.0	49
9/15/2010 12:00	8	2.8	6.3	186	18.9	66.0	44
9/15/2010 13:00	5	2.5	5.6	191	19.6	67.3	39
9/15/2010 14:00	7	2.2	4.9	165	20.6	69.1	37
9/15/2010 15:00	8	BA	BA	BA	22.1	71.8	33
9/15/2010 16:00	BA	3.3	7.4	260	22.7	72.9	23
9/15/2010 17:00	12	3.7	8.3	281	22.1	71.8	26
9/15/2010 18:00	14	2.3	5.1	302	21.1	70.0	29
9/15/2010 19:00	-5	0.9	2.0	157	15.6	60.1	53
9/15/2010 20:00	-1	0.9	2.0	121	13.3	55.9	64
9/15/2010 21:00	4	1.5	3.4	164	11.2	52.2	73
9/15/2010 22:00	-1	1.2	2.7	172	10.0	50.0	74
9/15/2010 23:00	11	1.2	2.7	163	9.2	48.6	75
9/16/2010 0:00	7	1.0	2.2	143	7.9	46.2	78
9/16/2010 1:00	0	1.1	2.5	5	9.1	48.4	72
9/16/2010 2:00	13	0.9	2.0	87	9.4	48.9	71
9/16/2010 3:00	1	2.0	4.5	197	10.5	50.9	65
9/16/2010 4:00	2	2.0	4.5	176	10.3	50.5	64
9/16/2010 5:00	16	0.8	1.8	339	8.2	46.8	74
9/16/2010 6:00	-5	0.8	1.8	163	6.6	43.9	81
9/16/2010 7:00	6	1.3	2.9	202	7.6	45.7	78
9/16/2010 8:00	5	1.0	2.2	162	10.4	50.7	65
9/16/2010 9:00	14	1.2	2.7	358	12.3	54.1	64
9/16/2010 10:00	10	1.1	2.5	8	14.6	58.3	55
9/16/2010 11:00	14	1.3	2.9	10	15.9	60.6	53
9/16/2010 12:00	16	1.0	2.2	93	16.6	61.9	52
9/16/2010 13:00	9	1.5	3.4	348	16.3	61.3	58
9/16/2010 14:00	9	2.0	4.5	350	17.6	63.7	55
9/16/2010 15:00	5	1.0	2.2	64	16.2	61.2	61
9/16/2010 16:00	14	4.3	9.6	302	18.2	64.8	51
9/16/2010 17:00	6	4.9	11.0	308	19.5	67.1	46
9/16/2010 18:00	9	1.4	3.1	36	16.3	61.3	65
9/16/2010 19:00	-4	1.0	2.2	359	13.9	57.0	73
9/16/2010 20:00	3	1.3	2.9	327	12.7	54.9	76
9/16/2010 21:00	6	0.9	2.0	302	11.6	52.9	80
9/16/2010 22:00	-5	1.2	2.7	268	11.7	53.1	79
9/16/2010 23:00	14	0.8	1.8	284	10.8	51.4	84
9/17/2010 0:00	-3	0.5	1.1	287	10.8	51.4	86
9/17/2010 1:00	15	0.7	1.6	172	10.3	50.5	91
9/17/2010 2:00	9	0.9	2.0	198	10.7	51.3	91
9/17/2010 3:00	2	0.5	1.1	258	10.5	50.9	91
9/17/2010 4:00	10	0.4	0.9	77	10.3	50.5	92
9/17/2010 5:00	17	0.7	1.6	4	10.1	50.2	92
9/17/2010 6:00	-2	0.7	1.6	13	8.6	47.5	91
9/17/2010 7:00	7	1.1	2.5	354	7.9	46.2	91
9/17/2010 8:00	-4	1.1	2.5	2	7.7	45.9	88
9/17/2010 9:00	1	1.0	2.2	358	8.5	47.3	84
9/17/2010 10:00	5	1.0	2.2	3	9.8	49.6	82
9/17/2010 11:00	-2	1.6	3.6	356	10.9	51.6	78
9/17/2010 12:00	4	2.0	4.5	357	10.6	51.1	73
9/17/2010 13:00	-1	2.2	4.9	354	10.0	50.0	71
9/17/2010 14:00	1	2.4	5.4	353	9.8	49.6	70
9/17/2010 15:00	-3	2.6	5.8	351	9.2	48.6	70
9/17/2010 16:00	0	2.5	5.6	346	9.8	49.6	68
9/17/2010 17:00	8	2.3	5.1	353	9.7	49.5	66
9/17/2010 18:00	-2	1.9	4.3	348	8.6	47.5	69
9/17/2010 19:00	5	1.0	2.2	14	7.5	45.5	71
9/17/2010 20:00	2	0.9	2.0	12	6.2	43.2	73
9/17/2010 21:00	0	1.0	2.2	351	5.8	42.4	76
9/17/2010 22:00	-3	0.8	1.8	267	5.6	42.1	78
9/17/2010 23:00	5	0.9	2.0	183	5.8	42.4	78
9/18/2010 0:00	1	0.9	2.0	182	5.4	41.7	82
9/18/2010 1:00	1	1.0	2.2	193	5.0	41.0	85
9/18/2010 2:00	5	0.8	1.8	350	4.0	39.2	87
9/18/2010 3:00	3	0.4	0.9	299	3.1	37.6	89
9/18/2010 4:00	9	0.4	0.9	107	3.9	39.0	88
9/18/2010 5:00	2	0.5	1.1	304	5.1	41.2	86
9/18/2010 6:00	9	0.9	2.0	6	4.5	40.1	87
9/18/2010 7:00	0	0.6	1.3	11	4.0	39.2	87
9/18/2010 8:00	-5	0.9	2.0	195	5.6	42.1	84
9/18/2010 9:00	10	2.0	4.5	50	9.6	49.3	69
9/18/2010 10:00	4	1.3	2.9	32	8.7	47.7	70
9/18/2010 11:00	6	1.6	3.6	260	11.4	52.5	63
9/18/2010 12:00	1	1.5	3.4	272	13.6	56.5	58
9/18/2010 13:00	8	1.1	2.5	355	15.5	59.9	55
9/18/2010 14:00	-1	1.1	2.5	3	16.3	61.3	57

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/18/2010 15:00	0	1.1	2.5	12	16.6	61.9	59
9/18/2010 16:00	0	1.1	2.5	5	16.4	61.5	61
9/18/2010 17:00	7	1.3	2.9	346	16.6	61.9	59
9/18/2010 18:00	9	1.1	2.5	300	15.9	60.6	64
9/18/2010 19:00	3	0.6	1.3	168	13.8	56.8	76
9/18/2010 20:00	11	0.6	1.3	142	12.5	54.5	83
9/18/2010 21:00	-4	0.6	1.3	159	11.5	52.7	85
9/18/2010 22:00	-5	0.7	1.6	179	11.3	52.3	85
9/18/2010 23:00	18	0.9	2.0	158	10.8	51.4	86
9/19/2010 0:00	13	0.9	2.0	199	10.5	50.9	86
9/19/2010 1:00	0	0.5	1.1	196	10.2	50.4	87
9/19/2010 2:00	8	0.8	1.8	153	8.7	47.7	90
9/19/2010 3:00	13	0.7	1.6	193	7.8	46.0	90
9/19/2010 4:00	-5	1.0	2.2	187	6.8	44.2	91
9/19/2010 5:00	8	1.5	3.4	228	7.9	46.2	88
9/19/2010 6:00	5	1.5	3.4	250	7.8	46.0	87
9/19/2010 7:00	10	1.2	2.7	208	8.4	47.1	85
9/19/2010 8:00	7	1.3	2.9	169	11.0	51.8	78
9/19/2010 9:00	2	2.8	6.3	210	15.0	59.0	62
9/19/2010 10:00	11	3.0	6.7	186	19.0	66.2	46
9/19/2010 11:00	17	3.3	7.4	178	22.4	72.3	32
9/19/2010 12:00	10	2.7	6.0	189	24.7	76.5	25
9/19/2010 13:00	8	3.1	6.9	174	26.2	79.2	22
9/19/2010 14:00	14	3.3	7.4	253	25.3	77.5	24
9/19/2010 15:00	-1	1.8	4.0	24	20.6	69.1	42
9/19/2010 16:00	-3	1.5	3.4	336	20.0	68.0	47
9/19/2010 17:00	5	0.8	1.8	327	19.5	67.1	51
9/19/2010 18:00	10	1.1	2.5	316	18.4	65.1	56
9/19/2010 19:00	5	1.8	4.0	158	18.5	65.3	43
9/19/2010 20:00	19	4.7	10.5	243	19.4	66.9	31
9/19/2010 21:00	6	5.2	11.6	235	18.7	65.7	33
9/19/2010 22:00	3	2.8	6.3	201	17.4	63.3	38
9/19/2010 23:00	-5	1.9	4.3	200	16.2	61.2	42
9/20/2010 0:00	8	1.4	3.1	32	14.5	58.1	62
9/20/2010 1:00	-2	2.4	5.4	246	13.3	55.9	65
9/20/2010 2:00	6	3.5	7.8	162	13.1	55.6	55
9/20/2010 3:00	9	1.5	3.4	193	11.7	53.1	63
9/20/2010 4:00	3	1.6	3.6	34	9.0	48.2	86
9/20/2010 5:00	4	0.9	2.0	56	8.2	46.8	86
9/20/2010 6:00	0	1.0	2.2	307	6.7	44.1	89
9/20/2010 7:00	-5	0.8	1.8	116	5.7	42.3	90
9/20/2010 8:00	5	2.1	4.7	241	8.8	47.8	73
9/20/2010 9:00	-5	3.9	8.7	253	11.4	52.5	59
9/20/2010 10:00	9	2.4	5.4	169	13.4	56.1	52
9/20/2010 11:00	12	2.7	6.0	244	14.2	57.6	48
9/20/2010 12:00	-5	4.0	8.9	274	13.8	56.8	52
9/20/2010 13:00	8	2.7	6.0	214	15.5	59.9	45
9/20/2010 14:00	-2	2.8	6.3	158	15.2	59.4	48
9/20/2010 15:00	6	1.9	4.3	151	15.8	60.4	45
9/20/2010 16:00	-2	2.2	4.9	257	15.6	60.1	45
9/20/2010 17:00	-5	2.0	4.5	270	14.6	58.3	51
9/20/2010 18:00	13	1.0	2.2	213	14.0	57.2	51
9/20/2010 19:00	-1	0.7	1.6	86	9.8	49.6	71
9/20/2010 20:00	-5	0.7	1.6	129	7.7	45.9	81
9/20/2010 21:00	13	0.7	1.6	158	6.6	43.9	83
9/20/2010 22:00	5	0.8	1.8	258	4.7	40.5	86
9/20/2010 23:00	-5	0.5	1.1	163	4.1	39.4	88
9/21/2010 0:00	8	0.6	1.3	188	3.9	39.0	88
9/21/2010 1:00	7	1.2	2.7	171	5.0	41.0	85
9/21/2010 2:00	-5	0.9	2.0	146	4.0	39.2	87
9/21/2010 3:00	3	1.1	2.5	162	3.2	37.8	88
9/21/2010 4:00	10	2.0	4.5	193	3.7	38.7	85
9/21/2010 5:00	3	1.7	3.8	189	3.4	38.1	84
9/21/2010 6:00	3	1.8	4.0	205	3.2	37.8	85
9/21/2010 7:00	1	1.7	3.8	204	3.5	38.3	83
9/21/2010 8:00	16	0.9	2.0	190	5.2	41.4	79
9/21/2010 9:00	-2	1.8	4.0	199	8.5	47.3	68
9/21/2010 10:00	-2	1.8	4.0	194	12.3	54.1	56
9/21/2010 11:00	9	1.3	2.9	169	14.4	57.9	47
9/21/2010 12:00	4	2.0	4.5	187	16.4	61.5	37
9/21/2010 13:00	-3	1.7	3.8	240	16.5	61.7	37
9/21/2010 14:00	3	1.1	2.5	337	16.8	62.2	36
9/21/2010 15:00	5	2.0	4.5	330	17.9	64.2	36
9/21/2010 16:00	5	1.7	3.8	359	16.8	62.2	45
9/21/2010 17:00	1	1.6	3.6	8	15.2	59.4	51
9/21/2010 18:00	2	1.1	2.5	359	13.9	57.0	56
9/21/2010 19:00	-3	1.5	3.4	354	12.7	54.9	62
9/21/2010 20:00	-1	1.5	3.4	356	11.6	52.9	66
9/21/2010 21:00	9	1.5	3.4	359	10.8	51.4	68
9/21/2010 22:00	3	1.1	2.5	4	10.0	50.0	71
9/21/2010 23:00	3	0.9	2.0	359	9.6	49.3	72
9/22/2010 0:00	2	1.0	2.2	314	8.2	46.8	78
9/22/2010 1:00	2	0.7	1.6	283	6.5	43.7	84
9/22/2010 2:00	20	0.6	1.3	255	5.7	42.3	87
9/22/2010 3:00	-5	0.6	1.3	246	5.0	41.0	89

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/22/2010 4:00	21	0.5	1.1	230	4.6	40.3	89
9/22/2010 5:00	-5	0.5	1.1	235	3.5	38.3	90
9/22/2010 6:00	23	0.5	1.1	256	3.2	37.8	90
9/22/2010 7:00	-5	0.4	0.9	323	2.0	35.6	91
9/22/2010 8:00	23	0.5	1.1	8	4.0	39.2	90
9/22/2010 9:00	-1	1.1	2.5	4	7.6	45.7	76
9/22/2010 10:00	-2	1.3	2.9	359	9.5	49.1	67
9/22/2010 11:00	31	1.2	2.7	12	11.1	52.0	63
9/22/2010 12:00	22	1.2	2.7	37	12.0	53.6	60
9/22/2010 13:00	30	1.2	2.7	30	13.0	55.4	58
9/22/2010 14:00	20	1.3	2.9	4	13.0	55.4	59
9/22/2010 15:00	14	1.0	2.2	23	13.5	56.3	57
9/22/2010 16:00	4	1.0	2.2	11	13.1	55.6	59
9/22/2010 17:00	8	1.1	2.5	9	13.6	56.5	57
9/22/2010 18:00	9	1.2	2.7	355	13.9	57.0	57
9/22/2010 19:00	-3	1.3	2.9	339	10.4	50.7	71
9/22/2010 20:00	-2	0.8	1.8	4	9.0	48.2	78
9/22/2010 21:00	6	0.7	1.6	259	8.5	47.3	80
9/22/2010 22:00	1	0.6	1.3	328	8.8	47.8	79
9/22/2010 23:00	-5	0.6	1.3	294	8.2	46.8	82
9/23/2010 0:00	16	0.7	1.6	182	7.2	45.0	86
9/23/2010 1:00	-4	1.0	2.2	142	5.4	41.7	88
9/23/2010 2:00	-5	0.9	2.0	182	4.2	39.6	89
9/23/2010 3:00	35	0.6	1.3	295	2.4	36.3	89
9/23/2010 4:00	-5	0.7	1.6	301	1.5	34.7	91
9/23/2010 5:00	12	0.5	1.1	316	1.1	34.0	91
9/23/2010 6:00	5	0.6	1.3	20	-0.5	31.1	91
9/23/2010 7:00	8	0.7	1.6	280	-0.9	30.4	91
9/23/2010 8:00	23	0.8	1.8	230	3.5	38.3	90
9/23/2010 9:00	2	0.9	2.0	142	8.2	46.8	73
9/23/2010 10:00	10	1.8	4.0	298	12.0	53.6	60
9/23/2010 11:00	6	1.7	3.8	204	14.3	57.7	45
9/23/2010 12:00	1	2.5	5.6	137	16.0	60.8	39
9/23/2010 13:00	15	1.9	4.3	286	17.8	64.0	34
9/23/2010 14:00	3	2.9	6.5	335	17.8	64.0	37
9/23/2010 15:00	13	3.7	8.3	321	19.2	66.6	25
9/23/2010 16:00	6	4.9	11.0	295	19.4	66.9	18
9/23/2010 17:00	1	4.5	10.1	290	18.7	65.7	19
9/23/2010 18:00	-2	3.6	8.1	293	17.1	62.8	23
9/23/2010 19:00	-2	2.0	4.5	314	13.1	55.6	35
9/23/2010 20:00	4	0.8	1.8	147	9.6	49.3	50
9/23/2010 21:00	0	0.9	2.0	126	8.4	47.1	64
9/23/2010 22:00	1	1.2	2.7	160	6.7	44.1	60
9/23/2010 23:00	5	1.3	2.9	189	5.8	42.4	63
9/24/2010 0:00	19	0.9	2.0	2	3.7	38.7	71
9/24/2010 1:00	-5	1.0	2.2	205	0.7	33.3	82
9/24/2010 2:00	17	1.3	2.9	211	3.3	37.9	72
9/24/2010 3:00	6	1.1	2.5	337	3.7	38.7	73
9/24/2010 4:00	7	0.8	1.8	289	1.3	34.3	82
9/24/2010 5:00	-5	0.6	1.3	238	0.7	33.3	86
9/24/2010 6:00	7	0.8	1.8	164	1.7	35.1	86
9/24/2010 7:00	20	0.9	2.0	182	3.2	37.8	79
9/24/2010 8:00	0	0.7	1.6	259	4.4	39.9	79
9/24/2010 9:00	17	0.7	1.6	124	7.1	44.8	71
9/24/2010 10:00	17	1.5	3.4	192	9.3	48.7	61
9/24/2010 11:00	1	2.3	5.1	195	14.3	57.7	45
9/24/2010 12:00	16	3.2	7.2	246	18.0	64.4	32
9/24/2010 13:00	7	5.2	11.6	266	19.1	66.4	24
9/24/2010 14:00	9	3.9	8.7	305	19.0	66.2	28
9/24/2010 15:00	-4	4.8	10.7	279	18.8	65.8	23
9/24/2010 16:00	9	5.2	11.6	283	19.3	66.7	22
9/24/2010 17:00	9	2.8	6.3	316	18.5	65.3	30
9/24/2010 18:00	-4	3.7	8.3	268	17.1	62.8	26
9/24/2010 19:00	0	1.3	2.9	258	13.0	55.4	36
9/24/2010 20:00	0	0.6	1.3	300	11.3	52.3	43
9/24/2010 21:00	5	0.7	1.6	157	9.3	48.7	54
9/24/2010 22:00	-1	1.0	2.2	292	8.3	46.9	60
9/24/2010 23:00	6	0.8	1.8	351	7.7	45.9	66
9/25/2010 0:00	14	0.8	1.8	213	7.7	45.9	66
9/25/2010 1:00	10	0.8	1.8	68	7.1	44.8	69
9/25/2010 2:00	7	0.8	1.8	330	5.8	42.4	75
9/25/2010 3:00	-5	1.2	2.7	170	6.5	43.7	69
9/25/2010 4:00	2	1.8	4.0	152	7.5	45.5	62
9/25/2010 5:00	8	1.7	3.8	173	7.6	45.7	61
9/25/2010 6:00	-5	1.8	4.0	135	7.2	45.0	63
9/25/2010 7:00	3	2.3	5.1	181	7.9	46.2	60
9/25/2010 8:00	3	2.8	6.3	193	11.5	52.7	52
9/25/2010 9:00	11	3.1	6.9	187	15.5	59.9	42
9/25/2010 10:00	9	3.4	7.6	169	19.6	67.3	32
9/25/2010 11:00	13	3.6	8.1	181	21.9	71.4	29
9/25/2010 12:00	4	4.5	10.1	190	23.2	73.8	28
9/25/2010 13:00	18	4.0	8.9	184	24.9	76.8	27
9/25/2010 14:00	4	4.0	8.9	197	26.5	79.7	24
9/25/2010 15:00	7	3.4	7.6	192	27.3	81.1	23
9/25/2010 16:00	-5	3.6	8.1	195	27.5	81.5	22
9/25/2010 17:00	-5	3.6	8.1	207	27.2	81.0	21

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/25/2010 18:00	1	2.8	6.3	211	25.6	78.1	24
9/25/2010 19:00	-5	1.6	3.6	175	21.2	70.2	34
9/25/2010 20:00	-1	1.2	2.7	233	16.2	61.2	48
9/25/2010 21:00	-4	0.6	1.3	185	12.5	54.5	62
9/25/2010 22:00	2	0.9	2.0	179	12.4	54.3	62
9/25/2010 23:00	-2	0.8	1.8	61	10.9	51.6	66
9/26/2010 0:00	19	2.3	5.1	196	13.7	56.7	55
9/26/2010 1:00	9	1.5	3.4	208	13.1	55.6	56
9/26/2010 2:00	-2	1.9	4.3	267	14.5	58.1	49
9/26/2010 3:00	10	1.4	3.1	279	12.5	54.5	55
9/26/2010 4:00	0	1.0	2.2	347	10.5	50.9	62
9/26/2010 5:00	3	1.0	2.2	345	10.9	51.6	59
9/26/2010 6:00	4	2.1	4.7	196	11.7	53.1	55
9/26/2010 7:00	3	1.7	3.8	294	10.5	50.9	58
9/26/2010 8:00	2	2.3	5.1	224	14.0	57.2	48
9/26/2010 9:00	11	3.6	8.1	190	18.6	65.5	35
9/26/2010 10:00	19	3.8	8.5	179	22.5	72.5	24
9/26/2010 11:00	8	4.8	10.7	187	24.4	75.9	19
9/26/2010 12:00	7	5.4	12.1	197	25.6	78.1	16
9/26/2010 13:00	9	4.2	9.4	221	26.5	79.7	15
9/26/2010 14:00	4	3.9	8.7	281	27.0	80.6	13
9/26/2010 15:00	13	4.4	9.8	283	27.4	81.3	13
9/26/2010 16:00	-1	5.0	11.2	286	26.7	80.1	13
9/26/2010 17:00	8	5.5	12.3	292	25.7	78.3	13
9/26/2010 18:00	5	3.8	8.5	301	23.7	74.7	17
9/26/2010 19:00	-5	2.3	5.1	318	18.4	65.1	29
9/26/2010 20:00	2	1.3	2.9	348	17.0	62.6	34
9/26/2010 21:00	7	1.1	2.5	48	17.0	62.6	37
9/26/2010 22:00	4	0.8	1.8	72	17.2	63.0	36
9/26/2010 23:00	7	0.7	1.6	49	16.3	61.3	38
9/27/2010 0:00	12	1.1	2.5	277	10.0	50.0	62
9/27/2010 1:00	-3	1.0	2.2	190	9.6	49.3	64
9/27/2010 2:00	5	1.2	2.7	142	8.6	47.5	66
9/27/2010 3:00	6	1.2	2.7	159	8.5	47.3	66
9/27/2010 4:00	11	1.2	2.7	151	8.3	46.9	65
9/27/2010 5:00	1	1.5	3.4	175	8.5	47.3	65
9/27/2010 6:00	18	0.9	2.0	334	7.9	46.2	66
9/27/2010 7:00	16	0.7	1.6	278	4.7	40.5	81
9/27/2010 8:00	-5	0.8	1.8	209	8.8	47.8	66
9/27/2010 9:00	9	1.1	2.5	306	13.4	56.1	50
9/27/2010 10:00	24	0.9	2.0	13	16.9	62.4	40
9/27/2010 11:00	16	1.0	2.2	26	19.5	67.1	35
9/27/2010 12:00	8	1.1	2.5	50	22.3	72.1	29
9/27/2010 13:00	5	1.2	2.7	29	24.5	76.1	27
9/27/2010 14:00	18	1.2	2.7	20	25.5	77.9	26
9/27/2010 15:00	3	1.3	2.9	2	26.3	79.3	26
9/27/2010 16:00	11	1.4	3.1	5	26.8	80.2	24
9/27/2010 17:00	5	1.3	2.9	360	25.9	78.6	26
9/27/2010 18:00	11	0.9	2.0	359	23.7	74.7	34
9/27/2010 19:00	-4	0.9	2.0	283	17.1	62.8	57
9/27/2010 20:00	-5	0.8	1.8	140	12.7	54.9	71
9/27/2010 21:00	6	1.2	2.7	141	12.2	54.0	70
9/27/2010 22:00	10	1.4	3.1	137	10.7	51.3	74
9/27/2010 23:00	6	1.0	2.2	147	11.0	51.8	69
9/28/2010 0:00	21	1.2	2.7	165	11.2	52.2	67
9/28/2010 1:00	9	2.6	5.8	187	11.5	52.7	63
9/28/2010 2:00	17	0.9	2.0	54	10.7	51.3	66
9/28/2010 3:00	9	1.0	2.2	179	8.7	47.7	73
9/28/2010 4:00	4	1.3	2.9	157	9.0	48.2	70
9/28/2010 5:00	12	0.8	1.8	167	7.2	45.0	77
9/28/2010 6:00	13	0.9	2.0	186	7.5	45.5	75
9/28/2010 7:00	8	1.7	3.8	173	8.6	47.5	70
9/28/2010 8:00	6	2.5	5.6	180	11.8	53.2	59
9/28/2010 9:00	12	2.9	6.5	182	16.0	60.8	47
9/28/2010 10:00	18	3.1	6.9	185	20.6	69.1	34
9/28/2010 11:00	22	3.6	8.1	191	23.9	75.0	26
9/28/2010 12:00	11	4.5	10.1	206	26.0	78.8	21
9/28/2010 13:00	10	3.6	8.1	202	27.8	82.0	19
9/28/2010 14:00	6	4.0	8.9	272	28.9	84.0	15
9/28/2010 15:00	14	5.1	11.4	290	28.9	84.0	14
9/28/2010 16:00	4	5.0	11.2	289	28.2	82.8	13
9/28/2010 17:00	-1	4.5	10.1	288	27.0	80.6	14
9/28/2010 18:00	3	3.3	7.4	280	24.8	76.6	17
9/28/2010 19:00	-5	1.9	4.3	263	20.2	68.4	26
9/28/2010 20:00	7	1.2	2.7	232	16.8	62.2	36
9/28/2010 21:00	3	2.6	5.8	270	18.4	65.1	38
9/28/2010 22:00	9	2.5	5.6	282	17.9	64.2	40
9/28/2010 23:00	7	1.0	2.2	317	13.4	56.1	52
9/29/2010 0:00	19	0.8	1.8	311	10.5	50.9	62
9/29/2010 1:00	0	0.7	1.6	213	7.5	45.5	74
9/29/2010 2:00	21	0.8	1.8	339	7.4	45.3	76
9/29/2010 3:00	10	0.8	1.8	173	6.7	44.1	79
9/29/2010 4:00	0	0.7	1.6	130	6.1	43.0	80
9/29/2010 5:00	6	0.8	1.8	159	5.7	42.3	81
9/29/2010 6:00	10	0.8	1.8	152	5.5	41.9	82

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
9/29/2010 7:00	9	0.9	2.0	150	5.3	41.5	83
9/29/2010 8:00	20	1.5	3.4	163	8.9	48.0	72
9/29/2010 9:00	12	1.7	3.8	187	14.2	57.6	54
9/29/2010 10:00	24	1.1	2.5	266	17.4	63.3	47
9/29/2010 11:00	20	1.3	2.9	22	19.2	66.6	45
9/29/2010 12:00	10	1.3	2.9	354	20.5	68.9	40
9/29/2010 13:00	7	1.4	3.1	24	21.6	70.9	37
9/29/2010 14:00	12	1.6	3.6	5	22.3	72.1	35
9/29/2010 15:00	12	1.7	3.8	5	22.9	73.2	35
9/29/2010 16:00	7	1.9	4.3	353	23.0	73.4	34
9/29/2010 17:00	3	2.0	4.5	349	22.5	72.5	35
9/29/2010 18:00	-2	1.2	2.7	345	20.9	69.6	42
9/29/2010 19:00	4	0.6	1.3	295	14.7	58.5	65
9/29/2010 20:00	1	0.4	0.9	297	10.1	50.2	79
9/29/2010 21:00	-3	0.6	1.3	135	9.0	48.2	83
9/29/2010 22:00	7	1.1	2.5	128	9.0	48.2	82
9/29/2010 23:00	4	1.4	3.1	137	8.3	46.9	82
9/30/2010 0:00	28	1.3	2.9	135	7.9	46.2	83
9/30/2010 1:00	4	1.4	3.1	173	8.6	47.5	79
9/30/2010 2:00	9	1.6	3.6	191	8.0	46.4	81
9/30/2010 3:00	14	1.6	3.6	186	7.3	45.1	82
9/30/2010 4:00	11	1.2	2.7	149	6.5	43.7	84
9/30/2010 5:00	-5	1.6	3.6	170	6.7	44.1	83
9/30/2010 6:00	12	0.8	1.8	54	5.3	41.5	85
9/30/2010 7:00	10	1.2	2.7	169	4.9	40.8	86
9/30/2010 8:00	15	1.1	2.5	153	7.9	46.2	76
9/30/2010 9:00	10	1.6	3.6	137	12.3	54.1	62
9/30/2010 10:00	17	2.2	4.9	189	16.8	62.2	46
9/30/2010 11:00	28	1.5	3.4	325	19.6	67.3	41
9/30/2010 12:00	9	1.5	3.4	16	19.8	67.6	43
9/30/2010 13:00	15	1.6	3.6	359	21.7	71.1	38
9/30/2010 14:00	11	1.5	3.4	0	23.0	73.4	33
9/30/2010 15:00	13	1.7	3.8	1	24.3	75.7	29
9/30/2010 16:00	10	1.6	3.6	3	24.9	76.8	26
9/30/2010 17:00	10	1.9	4.3	350	24.5	76.1	26
9/30/2010 18:00	2	2.2	4.9	340	22.0	71.6	35
9/30/2010 19:00	2	1.7	3.8	343	17.1	62.8	52
9/30/2010 20:00	12	2.4	5.4	341	16.2	61.2	55
9/30/2010 21:00	11	0.9	2.0	9	14.6	58.3	61
9/30/2010 22:00	8	1.1	2.5	351	14.1	57.4	62
9/30/2010 23:00	7	0.7	1.6	3	12.6	54.7	66
10/1/2010 0:00	24	0.6	1.3	116	10.6	51.1	72

BA = Routine maintenance / repairs